

*Ephemeris*  
A DOUBLE  
**EPHEMERIS**

For the Year of Our LORD

**1 7 0 3.**

OR THE

Heliocentrical and Geocentrical  
Motions and Aspects of the PLANETS,  
Exactly Calculated for the Meridian of the  
City of LONDON.

With a Compleat Tide-Table, shewing the  
Exact Times of High Water at *London-  
Bridge*, The Equation of Time for Regula-  
ting Clocks and Watches. Directions for  
passing and repassing the *Water*, with the  
Setled Rates to be paid to Water-Men, and  
Hackney Coach-Men.

And a Catalogue of the several Beginnings and  
Dissolutions of all the Parliaments, with  
their Speakers Names, since the Restauration  
of King *Charles II.*

To which is added a Calendar, with the Suns true  
Declination, &c. Also an Account of the  
Cautionary or Unfortunate Days of the  
Year Marked thus \*.

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By **George Parker** at the **Star and Ball**  
in *Salisbury Court*.

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*London*: Printed for the Company of Stationers, 1703.

# EPHEMERIS

OF THE

1703

OR THE

HISTORICAL AND GEOGRAPHICAL

POSITIONS AND DISTANCES OF THE PLACES  
Exactly Calculated for the Meridian of the

City of LONDON



With a complete Table, showing the  
Exact Time of Day at London  
every Day, the Equation of Time for every  
Day, the Sun's and Moon's Distances for  
every Day, and the Distances of the  
Places and Regions, with the  
Sailed Dates to be paid to Water, and  
Hackney Coach-Men.

And a Catalogue of the several Beginnings and  
Dispositions of all the Festivals, with  
their Speakers Names, since the Restoration  
of King Charles II.

To which is added a Calendar with the Sun's time  
of Day, and an Account of the  
Conjunctions or Oppositions of the  
Planets.

By George Fisher at the Star and Bull  
in Salisbury Court

London: Printed for the Company of Stationers, 1703.



TO THE  
Most Illustrious and Pious Princess

**A N N E**

OF

*England, Scotland, France, and Ireland,*

**Q U E E N,**

**Defender**

Of the Ancient

**Apostolical Faith.**

**G**reat Sov'reign Lady, humbly I submit,  
These Annual Labours at your Royal Feet.  
With chearful Hearts, you're Reverenc'd and  
'Tis by your Reign, we all are Happy made. (Obey'd,  
Strange Things of late we found, and others fear'd,  
Some Ills were seen, of many more we heard.  
But now the Threatning Dangers are revers'd,  
And all the Storms that frighted us dispers'd.  
Great *Anna* baffles ev'ry base Design,  
And makes the Church and State in Glory shine.  
Her Vertues for the Nations Ills attone,  
And Bless at once the Kingdom, and the Throne.

*The Epistle Dedicatory.*

From Her Celestial Charms such Power we find,  
That warms the Year, and makes the Seasons kind.  
Which long before Her Happy Reign were Cold,  
Sickly to'th Young, and fatal to the Old.  
As if Dame Nature were disturb'd to see,  
The Throne with-held from so much Majesty.

But now our Gloomy Ille clears up a-pace,  
And all Things look with an auspicious Face.  
Each struggling Party now does Passive grow,  
And all Things by their Moderation show,  
The Heaven's are pleas'd above, as well as Men below.  
So blest is glorious *Anna* in the Throne,  
That Her successful Arms more Fame have won;  
In a few Weeks upon the *Spanish* Shore,  
Than Nine Years vain Attempts could do before.  
Go on great Princess, and thy Foes suppress,  
The Heav'n's Predict Thee uncontrol'd Success.  
*France* Trembles, and the haughty *Spaniard* Quakes,  
To see what speedy Work thy Conduct makes.  
Thy wise Progressions shows us every Day,  
How blest we are beneath thy Sov'reign Sway.  
And may Thy Subjects Gratitude appear,  
In all Things equal to Thy Princely Care.  
That Thy Just Arms by Prosperous Degrees,  
Abroad may Conquer, and at Home may please;  
And Crown this Happy Isle with a successful Peace.

*Is the hearty Prayer of*  
*your Majesties*

*most Obedient Subject,*

**GEORGE PARKER.**

## The Regal Table.

Kings and Queens.	Born anno	Began to Reign.	Reigned Y. M.	Since their Reigns ended.	Buried at
William	1102	1066	Oct. 14 20	1161	Sept. 9 Caen. Norm.
William	2105	1087	Sept. 9 12	1160	Aug. 2 Winchester
Henry	1106	1100	Aug. 1 35	1156	Dec. 1 Reading
Stephen	1105	1135	Dec. 2 18	1154	Oct. 25. Faversham

### The Saxon Line restored.

Henry	2113	1154	Oct. 25 34	9514	July 6 Fountains
Richard	1115	1189	July 6 9	9504	April 6 Fountains
John	1116	1199	April 6 17	7487	Oct. 19 Worcester
Henry	2120	1216	Oct. 9 56	1431	Nov. 16 Westminster
Edward	1123	1272	Nov. 16 34	8396	July 7 Westminster
Edward	2128	1307	July 7 19	7377	Jan. 21 Gloucester
Edward	3131	1327	Jan. 25 51	5326	June 21 Westminster
Richard	2136	1377	June 21 22	3304	Sept. 29 Westminster

### The Line of Lancaster.

Henry	4136	1399	Sept. 29 13	6290	Mar. 20 Canterbury
Henry	5138	1413	Mar. 20 9	5281	Aug. 31 Westminster
Henry	6142	1422	Aug. 3 13	6243	Mar. 4 Windsor

### The Line of York.

Edward	4144	1461	March 4 22	1230	April 8 Winchester
Edward	5147	1483	April 9 0	2220	June 22 Unknown
Richard	5148	1482	June 22 2	2218	Aug. 22 Leicester

### The Families united.

Henry	7145	1485	Aug. 22 23	10195	Apr. 22 Westminster
Henry	8149	1509	April 22 37	10156	Jan. 28 Windsor
Edward	6153	1547	Jan. 28 6	5150	July 6 Westminster
Q. Mary	1518	1553	July 6 5	4145	Nov. 17 Westminster
Q. Elizabeth	1533	1558	Nov. 17 44	4101	March 24 Westminster

### The two Kingdoms united.

James	1156	1603	March 24 22	0178	March 27 Westminster
Charles	1160	1625	March 27 23	1054	Jan. 30 Windsor
Charles	2163	1649	Jan. 30 37	018	Feb. 6 Westminster
James	2163	1685	Feb. 6 4	014	Feb. 13 St. Germain
William	3165	1689	Feb. 13 13	11	March 8 Westminster
Mary	2166		Feb. 13 5	103	Dec. 28 Westminster
Q. ANNE	1665	1702	March 8	Whom God preserve.	

Of all the Noble Princes that have reign'd,  
 And o'er this Land a Sovereign Power maintain'd,  
 The last among the rest appears most bright,  
 And rules as Sol by Day, Cynthia by Night.  
 God save Queen ANNE, preserve the Royal Line,  
 And may her Glorious Deeds the rest out-shine.

# January hath xxxi Days.

This Month the Whigs have stain'd with such a Blot,  
That ne'er can be, whilst Time endures, forgot :  
But Heav'n be prais'd, the proud aspiring Herd,  
VWho were again so lately to be fear'd,  
Are by kind Providence quire baff'd now,  
And to the Race they've injur'd, forc'd to bow.

M.D.	W.D.	Saints Days, &c.	Sun's Decli.	☾ ris. H. M.	Moon South.	Days	Day break	Sun rise	set
1	a	Circumcision	21 44	1 M	45 7	M 9	15 53	8 1	4
2	b	Cloudy Air, yet	21 34	3	6 8	2	65 48	7 55	5
3	c	Mild for the	21 23	4	26 8	58	115 42	7 48	5
4	d	Season of *	21 13	5	45 9	57	165 36	7 40	5
5	e	the Year.	21 2	6	53 11	0	215 30	7 31	5
6	f	Epiphany	20 50	☾ sets	0 A 2		265 22	7 23	5
7	g	Some Sleet	20 38	5 A	29 1	0	<b>Lunations.</b> ● New Moon the 6 day near Noon. ☾ First Quarter the 13 day at 10 Night. ● Full Moon the 21 day at Midnight. ☾ Last Quarter the 29 day at 3 Morning.		
8	a	or Snow	20 26	6	45 1	55			
9	b	at hand.	20 13	8	22 45				
10	c	3 aft. Epiph.	20 09	12	3 33		The Year begins with two remarkable Conj. viz. ☽ ♀ & ☽ 4 ☽ observe the Event. King Charles I. most barbarously murder'd by religious Cut- throats Jan. 30th 1649. ☾ horrid Fast, may it never be obliterated.		
11	d	Pleasant *	19 47	10	22 4	17			
12	e	serene Air.	19 32	11	29 5	c			
13	f	Hillary Bish.	19 19	12	36 5	42			
14	g	Frosty about	19 4	Morn.	6 25				
15	a	this time.	18 52	1	43 7	8			
16	b		18 34	2	47 7	52			
17	c	2 aft. Epiph.	18 18	3	51 8	38			
18	d	Pleasant	18 24	53	9 28				
19	e	wholsome *	17 46	5	51 10	18			
20	f	Octab. Hillar.	17 30	6	40 11	10			
21	g	Weather, but	17 13	7	27 12	3			
22	a	winay.	16 56	☾ ris.	Morn.				
23	b	Fetch begins.	16 38	6 A	22 0	54			
24	c	Sepuagestina	16 21	7	36 1	44			
25	d	Con. St. Paul	16 38	52	2 32				
26	e	Snow or *	15 44	10	10 3	20			
27	f	Quind. Hillar	15 26	11	27 4	59			
28	g	rain the former	15 7	12	46 4	59			
29	a	part 6th week.	14 48	Morn.	5 52	1649.			
30	b	E. Ch. I. thurs	14 28	2	66 44				
31	c	Sexagestina	14 9	3	24 7	42			



## February hath xxviii Days.

Great ANNA Rules, and happy is the Throne,  
 A Nobler Princess never sat thereon;  
 This Month was blest with her Illustrions Birth!  
 Who now appears the brightest Queen on Earth.  
 May Her Success Our Happiness compleat,  
 And our Loyalty Her greatest Foes defeat.

MD	WT	Saints Days, &c.	Sun's Decl.	Rise H. M.	Moon South	Day break	Sun rise set
1	r	* Purif. V. Ma.	13 49	4 M 35	8 M 41	15	13 7 12 5
2	t	Craft. Purif.	13 29	5 37	9 42	65	47 3 5
3	f	Frost and	13 9	6 27	10 42	114	55 6 53 6
4	g	cold Air.	12 49	7 7	11 37	164	46 6 43 6
5	a	Q. Anne born.	12 28	8 0	12 30	214	36 6 33 6
6	b	Quinquagesi.	12 7	6 A 48	1 20	264	25 6 24 6
7	c	winds high	11 46	8 12	5	Lunations	
8	d	Shrove-Tuesf.	11 25	9 12	2 51	New Moon the	
9	e	Dies Ciner.	11 4	10 19	3 34	day at midnight.	
10	f	bring rain.	10 42	11 26	4 17	First Quarter the	
11	g	Term ends.	10 20	12 31	5 14	12 day at 7 evening.	
12	a	Quadragesim.	9 37	1 37	6 31	Full Moon the	
13	b	Frosty and *	9 14	2 41	7 17	20 day 2 afternoon.	
14	c	cloudy with	8 52	3 40	8 9	Last Quarter the	
15	d	Ember week	8 29	4 32	9 1	27 day near 11 mor.	
16	e	cold winds	8 7	5 18	9 52	Feb. 6th. 1669.	
17	f	if ner snow.	7 44	5 57	10 44	Our most illustrious	
18	g	Frosty Air,	7 22	6 28	11 36	and pious Q. ANNE	
19	a	2 Su. in Lent	6 59	7 A 39	12 27	born to be a Nur-	
20	b	winds stir, *	6 13	7 57	1 17	sing mother to these	
21	c	St. Math. Ap	5 49	9 18	2 7	kingdoms of Eng-	
22	d	inclin'd to	5 3	12 23	3 50	land, Scotland and Ire-	
23	e	Snow.	4 39	Morn. 4	44	land. Vivat Regina.	
24	f	3 S. in Lent *	4 16	1 17	5 41		
25	g		3 53	2 30	6 39		

# March hath xxxi Days.

In this kind Month our Sov'reign Princess Anne,  
To England's Joy, Her happy Reign began,  
Who preserves the Church, and rectifies the State,  
And by her Royal Care makes England great.  
Long may she live and rule the British Throne  
To th' Kingdom's Good, the Glory be her own.

Day	Saints Days, &c.	Sun's Decl.	Sun's rise H. M.	Moon South.	Day break	Sun rise. set.
1 d	David.	3	29 3	M 3	7 M 37	14 19 6 18 6
2 e	Chad B.	3	6 4	28 3	36	6 4 8 6 8 6
3 f	The Month be-	2	42 5	8	34	11 3 57 5 58 7
4 g	ins wet and	2	18 5	40 10	26	16 3 45 5 48 7
5 a	slabby.	1	55 5	2 11	16	21 3 33 5 38 7
6 b	High winds,	1	31	Mers.	A 5	26 3 20 5 28 7
7 c	Mid-Lent Sa.	1	7 7	A 1	49	
8 d	Q. Anne Pro.	0	44 8	11 1	32	Lunations.
9 e	cold air,	0	20 9	20 2	16	
10 f	and inclin'd	0	N 7	10 25	3	● New Moon the
11 g	to Frost.	0	28 11	30 3	45	6 day near 2 aftern.
12 a		0	51 12	35 4	31	
13 b		1	15	Morn.	5	19 ● First Quarter the
14 c	5 B. in Lent.	1	38 1	35 5	8	14 day 3 afternoon
15 d	Windy about	2	22	31 6	59	
16 e	this time.	2	26 3	21 7	51	● Full Moon the
17 f		2	49 4	18	42	22 day 1 morning.
18 g	More moderate	3	12 4	33 9	32	
19 a	and pleasant	3	36 5	2 10	24	● Last Quarter the
20 b	season.	3	59 5	28 11	14	28 day at 6 night.
21 c	Palms Sav. *	4	22 5	46	Morn.	
22 d		* 4	45	5	5	
23 e	Cold rain	5	8 8	A 27	0 57	
24 f	or snow.	5	31 9	50 1	50	Tides swell high
25 g	Ann. B. Vis	5	54 11	15 2	44	on the 24 and 25 of
26 a	Good Friday	6	17 12	30 3	43	this Month.
27 b		6	40	Morn	4 41	
28 c	Easter day *	7	2 1	38 5	41	
29 d	Easter mood	7	24 2	35 6	41	
30 e	Easter week	7	47 3	21 7	37	
31 f	Pleasant Air.	8	9 3	55 8	32	

# April hath xxx Days.

This Month the Nobles in their Pomp and State,  
The Cappadocian Martyr celebrate;  
Who of his Faith did such Assurance give:  
He fought for Christ in whom all Christians live.  
Grant ev'ry Churchman a St. George may be,  
Against home-bread Schism and foreign Popery.

M.D.	Saints Days, &c.	Sun's Decli.	rise H. M.	Moon South	Day break.	Sun rise, set
1	a	8 31	4 M 21	9 M 21	13 45	17 7
2	a	3 53	1 46	10 8	62 51	5 7
3	b	9 14	5 4	10 54	112 35	4 58
4	c	7 36	5 22	11 37	162 19	4 49
5	d	9 57	sets	0 A 21	212 24	4 08
6	e	10 19	8 A 15	1 4	261 47	4 32
7	f	10 40	9 26	1 49	Lunations.	
8	g	11 1	10 32	2 34		
9	a	11 21	11 34	3 22		
10	b	11 42	Morn.	4 10	● New Moon the 5	
11	c	12 20	3 15	0	day near 5 morning	
12	d	12 22	1 21	5 0	● First Quarter the	
13	e	12 42	2 46	4 0	13 day at 9 morning.	
14	f	13 23	3 9	7 30	● Full Moon the 20	
15	g	13 21	3 9	8 21	day at 11 morning.	
16	a	13 41	3 36	9 9	● Last Quarter the	
17	b	14 03	5 9	9 59	27 day at 2 morning.	
18	c	14 19	4 20	10 49	16 Day Sun rises E. N.	
19	d	14 37	4 39	11 42	E. and sets W. N. W.	
20	e	14 56	rise	Morn.	23 our Illustrious and	
21	f	15 14	8 A 56	0 38	most excellent Prin-	
22	g	15 32	10 20	1 30	cess ANNE, Queen of	
23	a	15 49	11 35	2 30	England, &c. magnifi-	
24	b	* 16 7	Morn.	3 39	cently crown'd at	
25	c	16 24	0 37	4 40	Westminster, 1702.	
26	d	16 41	1 27	5 39		
27	e	16 57	2 46	6 34		
28	f	17 14	2 33	7 24		
29	g	17 30	2 57	8 13		
30	a	17 46	3 17	8 59		



# May hath xxxi Days.

Long had dissenting Rebels rul'd the Roast,  
 And in their hands the Sovereign Power engroft,  
 Till Providence, this Month, the Line restor'd,  
 And gave the Scepter to its injur'd Lord.  
 Heav'n's clear the Land of all rebellious weeds,  
 And bless that happy Branch that now succeeds.

M.D.	W.D.	Saints Days, &c.	Sun's Decli	☉ rise H. M.	Moon South.	Day break	Sun rise, set.
1	b	S. P. & J. A.	18 13	M 34	9 M 41	1 1	23 4 23 8
2	c	past Easter.	18 16	3 52	10 24	6 0	58 4 16 8
3	d	Quing. Pasch.	18 31	4 10	11 6	11 0	14 4 8 8
4	e	Pleasant	18 45	☉ sets	11 51	16 All	4 2 8
5	f	weather.	19 08	A 28	0 A 34	21 Twi-	3 57 9
6	g	Ascen. Dom.	19 13	9 31	1 20	26 light.	3 52 9
7	a	Craf. Ascen.	19 27	10 29	2 8		
8	b	wet and windy.	19 40	11 21	2 59	Lunations.	
9	c	6 p. East. *	19 53	12 7	3 50	☉ New Moon the	
10	d	Term ends.	20 6	Morn. 4	38 4	day at 8 night.	
11	e		20 18	0 45	5 26	☾ First Quarter the	
12	f		20 30	1 15	6 14	12 day at 11 night.	
13	g	Rain and plea-	20 41	1 42	7 3	☉ Full Moon the 19	
14	a	sant spring	20 53	2 57	51	day at 6 afternoon.	
15	b	weather.	21 3	2 23	8 36	☾ Last Quarter the	
16	c	Whit Sunday *	21 14	2 44	9 26	26 day at 11 morn.	
17	d		21 24	3 6	10 19		
18	e	Fair and	21 33	3 27	11 17	The 19 day is an-	
19	f	Ember week	21 43	☉ sets	12 17	nually celebrated in	
20	g	warm Air.	21 52	9 A 10	Morn.	Commemoration of	
21	a	*	22 0	10 19	1 21	our Deliverance	
22	b	*	22 9	11 12	2 23	from Anarchy and	
23	c	Trinity Sunday	22 16	12 33	2 26	Confusion An. 1666	
24	d	Craft Trin.	22 24	Morn. 4	23	by the return of Mo-	
25	e	Inclin'd to rain	22 31	0 30	5 17	narchy in the happy	
26	f	at the end.	22 37	1 16	8 56	and joyous celebra-	
27	g	Corpus Chri.	22 44	1 21	6 56	tion of St. Charles	
28	a	Trinity beg. *	22 50	1 40	7 38	for the brighten-	
29	b	R. Ch. II. Be	22 55	1 56	8 20	Throne of his Son	
30	c	1 past Trinity	23 0	2 13	9 2	in June.	
31	d	Octab. Trin.	23 5	2 31	9 44		



# June hath xxx Days.

In this warm Month there will arise such heat,  
Will put both French and Spaniard in a sweat.  
Just Anna's Arms will England's Pow'r exert,  
And bring glad Tidings to each Loyal Heart,  
Make way to soon obtain a gainful Peace,  
To the Queen's Glory, and our Land's Euclease.

M.D.	W.D.	Saints Days, &c.	Sun's Decli.	rise H. M.	Moon South	Day break.	Sun rise. set
1	e	Brisk winds	23	9	2 M 54	10 27	1 No real 3 50 9
2	f	and fair	23	13	3 16	11 14	6 Night. 3 48 9
3	g	weather.	23	16	4 sets	0 A 1	11 3 47 9
4	a		23	19	9 A 1	4 0 50	16 But 3 48 9
5	b	*	23	22	10 3	1 39	21 Twi- 3 50 9
6	c	2 past Trinity	23	24	10 42	2 28	26 light. 3 52 9
7	d	Quind. Trin.	23	26	11 15	3 17	
8	e	Cloudy and	23	27	11 43	4 6	Lunations.
9	f	cold Rains.	23	28	12 54	53	
10	g		23	29	Morn.	5 38	● New Moon the 2
11	a	Sr. Barnab. A	23	29	0 25	6 24	day near noon.
12	b	*	23	29	0 42	7 11	
13	c	3 past Trinity	23	28	1 2	8 1	● First Quarter the
14	d	Tres Trin.	23	27	1 24	8 54	11 day at 10 morn.
15	e	Somewhat	23	25	1 49	9 52	
16	f	Term ends.	23	23	2 20	10 52	● Full Moon the 18
17	g	turbulent at	23	21	2 55	11 56	at 1 morning.
18	a	the beginning	23	18	3 rise	Morn.	
19	b	o'th week. *	23	15	9 A 50	1 0	● Last Quarter the
20	c	4 past Trinity	23	12	10 28	2 32	4 day at 11 night.
21	d	Rainy about	23	8	10 58	3 2	
22	e	this time.	23	3	11 21	3 55	
23	f		22	59	11 41	4 43	The two Malevo.
24	g	St. Jo. Bap. N	22	53	11 59	5 29	lents T. and S in □
25	a	Fair and *	22	48	12 16	6 11	to each other from
26	b	pleasant air. *	22	42	Morn.	6 55	Cardinal Signs this
27	c	5 past Trinity	22	35	0 34	7 38	Month, 'tis of notable
28	d		22	29	0 55	8 23	Import, and likely to
29	e	St. Pe. & P. A	22	21	1 17	9 7	introduce matters of a
30	f	don to June	22	14	1 44	9 51	rugged nature.

# July hath xxxi Days.

Now England's Fleet her Canvas wings displays,  
And rides triumphant o'er the foaming seas.  
Her Loud-mouth'd Engines shall command the Main,  
And prove a Terror both to France and Spain;  
Send us French Prizes loaded from the Vine,  
To drink their down-falls in their own good VVine.

M.D.	W.D.	Saints Days &c.	Sun's Decl.	Rise H. M.	Moon South.	Days break	Day rise. set
1	a		22	62 M	19 10 39	1	No 3 57 9
2	a		21	58 2	57 11 30	6	Night. 4 3 8
3	b	Rain and *	21	49	50 A 20	11	0 19 4 8 8
4	d	6 p. Trin. *	21	40 9 A	12 1 8	16	0 59 4 15 8
5	d	cloudy	21	31 9	42 1 58	21	1 54 4 23 8
6	e	Weather.	21	21 10	62 46	26	1 44 4 30 8
7	f		21	11 10	26 3 32		
8	g	Winds stir, if	20	57 10	46 4 17		Lunations.
9	a	not Thunder.	20	49 11	45 3	●	New Moon the 3
10	b	*	20	38 11	23 5 50		day near 3 morning.
11	c	7 p. Trinity	20	26 11	47 6 40		First Quarter the
12	d		20	15 12	13 7 34		10 day at 6 aftern.
13	e		20	2 Morn.	8 30		
14	f	Winds rise,	19	50 0	47 9 31	●	Full Moon the
15	g	Swichine.	19	37 1	34 10 35	17	day at 9 morn.
16	a	bring Rain. *	19	24 2	29 11 39		
17	b	*	19	10	12 40		Last Quarter the
18	c	8 p. Trinity	18	56 8 A	49 Morn. 24		day at 2 aftern.
19	d	Dog-days. be	18	42 9	17 1 30		
20	e		18	27 9	40 2 29		The ☐☉☿ at the
21	f	Good pleasant	18	13 9	59 3 17		beginning of this Month,
22	g	Weather	17	57 10	17 4 3		and the ☐☿☿ at the
23	a	this week. *	17	42 10	37 4 47		end of it, will raise the
24	b		17	26 10	56 5 31		boisterous humours in-
25	c	Sr. James Ap	17	10 11	17 6 14		to a ferment, so that
26	d		16	54 11	44 6 59		we may expect some
27	e	Rain at hand.	16	38 12	16 7 44		bloody Battle about this
28	f		16	21 Morn.	8 33		time, or some Town or
29	g		16	40	57 9 23		Castle bravely attack-
30	a	*	15	46 1	46 10 13		ed, and as nobly de-
31	b		15	29 2	47 11 4		fended.

# August hath xxxi Days.

The stroling Vagrant now in Tinsey struts,  
 And Smithfield Queens at night prove common Sluts.  
 Fidlers become prodigal, and Cooks glad,  
 Folks are made merry, and the Rabble mad.  
 But Foreign News shall come to England's Court,  
 VVill give more pastime to the better sort.

M.D.	W.D.	Saints Days, &c.	Sun's Decli.	sets H. M.	Moon South.	Days break	Day rise.	Sun set
1	C	10 p. Trinity	15	11 7	A 45	11	54	12 6 4 39 8
2	D	Thunder-	14	53	8	11	0 A 43	6 2 23 4 48 8
3	E	like at the	14	35	8	33	1 31	11 2 38 4 57 8
4	F	beginning;	14	16	8	52	2 28	16 2 53 5 6 7
5	G	mild and	13	57	9	11	3 3	21 3 7 5 16 7
6	A	pleasant	13	38	9	30	3 51	26 3 21 5 26 7
7	B	now.	13	19	9	53	4 39	
8	C	11 p. Trin. *	13	0	10	18	5 30	Lunations.
9	D		12	40	10	49	6 25	● New Moon the
10	E	Heat and	12	20	11	28	7 20	1 day at 5 Aftern.
11	F	Rain follows.	12	0	12	21	8 24	☾ First Quarter the
12	G		11	40	Morn.	9	26	8 day at midnight.
13	A		11	19	1	26	10 26	● Full Moon the 15
14	B	Fertile show-	10	59	2	40	11 22	day near 6 Aftern.
15	C	12 p. Trinity	10	38	D	rise	12 18	☾ Last Quarter the
16	D	ers often hap-	10	17	7 A 47	Morn.		23 day at 7 morn.
17	E	pen to obstruct	9	56	8	8	1 9	● New Moon the
18	F	the harvest.	9	35	8	26	1 58	31 day at 6 morn.
19	G	man this *	9	13	8	44	2 44	8 ♀ on the 19
20	A	month, yet	8	52	9	43	2 29	of this Month. Some
21	B	not to excess,	8	30	9	25	4 15	old debilitated leache-
22	C	13 p. Trin. *	8	8	9	50	4 59	rous Animal is in-
23	D	as some	7	46	10	19	5 45	volv'd into troubles,
24	E	St. Barth. Ap	7	24	10	55	6 33	and comes by the loss
25	F	may con-	7	2	11	38	7 21	by the designing In-
26	G	jeſture.	6	40	12	36	8 13	trigues of his admir'd
27	A	Dog days end	5	17	Morn.	9	4	Phillis.
28	B		5	54	14	0	9 54	
29	C	14 p. Trinity	5	32	2	49	10 44	
30	D		5	9	4	0	11 32	
31	E		4	46	REW	10	A 20	



# September hath xxx days.

Now reeming Earth her welcome Product yields,  
 And Farmers labour in their fruitful Fields ;  
 At home the Sickle shall supply the Flail,  
 Abroad the Sword of *England* shall prevail,  
 To the Crown's Honour neighbouring Foes o'ercome,  
 And bring this Year a glorious Harvest home.

M.D.	Saints Days, &c.	Sun's Decl.	sets H. M.	Moon South	Days break	Sun rise, set
1	<i>Cloudy and</i>	4	23 7	A 24	1	3 5 38 7
2	<i>Lomburne. *</i>	4	0 7	46	1	63 47 5 47 7
3	<i>cold Air,</i>	3	37 8	42	43	11 3 59 5 57 7
4	<i>if not frosty.</i>	3	14 8	29	34	16 4 10 6 7 6
5	<i>15 past Trio</i>	2	51 8	58	4	21 4 21 6 17 6
6		2	28 9	39	5	26 4 31 6 26 6
7		2	5 10	25	6	
8	<i>Nat. Virg.</i>	1	41 11	25	7	
9		1	18 12	33	8	
10		0	54	Morn.	9	
11		0	31 1	51	10	
12	<i>16 past Trio</i>	0	8 3	12	11	
13	<i>wet and slabby.</i>	0	S 16 4	34	12	
14	<i>Ex. Crofs. *</i>	0	39	12	45	
15	<i>Emb. week *</i>	1	3 6	A 56	Morn.	
16		1	27 7	15	1	
17		1	50 7	36	2	
18		2	13 8	0	3	
19	<i>17 past Trio</i>	2	37 8	27	3	
20	<i>Cold Air,</i>	3	0 9	24	4	
21	<i>St. Marth. Ap.</i>	3	24 9	45	5	
22	<i>and rainy</i>	3	47 10	34	6	
23	<i>weather.</i>	4	10 11	33	7	
24		4	34 12	38	7	
25		4	57	Morn.	8	
26	<i>18 past Trio</i>	5	20 1	49	9	
27	<i>More moderate</i>	5	43 3	51	10	
28	<i>and</i>	6	6 4	22	11	
29	<i>St. Michs *</i>	6	29	11	56	
30	<i>Seasonable.</i>	6	52 6	A 17	0	

Lunations.

First Quarter the  
 day at 6 morning.

Full Moon the 14  
 day at 5 morning.

Last Quarter the  
 22 day at 2 morn.

New Moon the 29  
 day at 6 night.

The two superior  
 Planets ♃ & ♄, are op-  
 posed by the two Infe-  
 rious ♀ and ♂, and  
 one of 'em is posited in  
 the perfidious Sign M  
 too. A blessed Resor-  
 mation is likely to be  
 introduced, when un-  
 der the seeming Garb  
 of Sanctity the only Pa-  
 trons of Hypocrisy and  
 Deceit, are the zealous  
 Propagators of it.



# October hath xxxi Days.

The City now its splendid Poms prepare  
 To welcome in their new made Lord, their May'r.  
 When done, each marches to his sumptuous Hall,  
 Where Plenty dwells, and merry Beards wag all.  
 There drink full Bowls in Rev'rence to the Queen,  
 Whose Arms this Year have so successful been.

M.D.	W.D.	Saints Days &c.	Sun's Decl.	Secs H.	M.	Moon South.	Days	Day break.	Sun rise.	set
1	a	Cold Air	7	15	6	A 42	1	A 35	14	41 6 36 6
2	b	at hand,	7	37	7	102	31	6 4	51 6 46 6	
3	c	19 past Trin	8	07	8	453	28	11 5	06 56 6	
4	d	and frost.	8	22	8	304	26	16 5	97 5 5	
5	e	like.	8	44	9	295	28	21 5	177 14 5	
6	f		9	7	10	336	29	26 5	247 24 5	
7	g		9	28	11	477	27	Lunations.		
8	a	Rain and slab	9	50	Morn.	8	22	) First Quarter the		
9	b	by weather.	10	12	1	59	12	5 day past noon.		
10	c	20 past Trin	10	34	2	2410	1	) Full Moon the 13		
11	d	*	10	56	3	4110	48	day 3 hours aftern.		
12	e	*	11	17	4	5111	32	) Last Quarter the		
13	f	Ed. Confe. K.	11	38	) rise		12	14	21 day at 10 night.	
14	g		11	59	5	A 45	Morn.	) New Moon the 29		
15	a	Frosty Air.	12	19	6	81	day at 5 morning.			
16	b		12	40	6	341	46	The various and bo		
17	c	21 past Trin	13	17	6	2	34	stile Aspects this month		
18	d	St. Luke Ev.	13	21	7	473	23	of the Planets, produces		
19	e	*	13	41	8	324	12	notable Influences in		
20	f	Tref. Micha.	14	09	28	4	58	the Macrocosm or great		
21	g		14	20	10	295	47	World, and eminently		
22	a	rain like.	14	39	11	366	40	excites to Activity the		
23	b	Term begins	14	58	12	467	27	Microcosm or little		
24	c	22 past Trin	15	17	Morn.	8	14	World; and as the for		
25	d	Crispine.	15	36	2	18	1	ner is attended with		
26	e	*	15	54	3	169	4	storms and Temp's, so		
27	f	Men. Mich. *	16	12	4	3310	30	the latter with Stra-		
28	g	St. Sim. & Ju.	16	30	5	5011	27	ragins and Designs o		
29	a	Warm for the	16	47	) sets		10	20	1 mischievous Nature.	
30	b	time o' th year.	17	45	A 41	1	1	and from both lets pray		
31	c	23 past Trin	17	21	6	232	1	Libera nos Domine		

# November hath xxx days.

Faggots and Fire will put us now in mind,  
 Of Powder Plots long since by Rome design'd.  
 No currying favour with the head-strong Mob,  
 VVithout some timber, stick, or broken Tub:  
 Therefore contribute VVood or set up Lights,  
 Left Captain Tom cries out you're *Jebusites*.

M.D	W.D	Saints Days, &c.	Sun's Decli.	D fets H. M.	Moon South.	Days	Day break	Sun rise. set
1	d	All Saints.	17 38	7 A 17	3 A 22	15	33	7 34 5
2	e	Brisk *	17 54	8 24	4 23	6	5 39	7 42 5
3	f	Craft. Ani.	18 10	9 37	5 23	11	5 45	7 49 5
4	g	winds with	18 26	10 55	6 20	16	5 51	7 56 5
5	a	Powder Plot	18 41	12 27	7 11	21	5 54	8 2 4
6	b	rain.	18 56	Morn.	8 0	26	5 57	8 7 4
7	c	21 p. Trinity	19 11	1 28	8 45	Lunations.		
8	d	Rain and *	19 25	2 42	9 30			
9	e	blustring	19 39	3 53	10 13	First Quarter the		
10	f	winds.	19 52	5 5	10 56			
11	g	Martin.	20 7	6 17	11 41	Full Moon the		
12	a	Cras Mart.	20 19	7 12	12 28			
13	b		20 31	5 A 5	Morn.	12 day near noon.		
14	c	25 p. Trinity	20 43	5 36	1 15			
15	d		20 55	6 19	2 3	Last Quarter the		
16	e		21 6	7 11	2 53			
17	f		21 17	8 9	3 42	New Moon the		
18	g	Octab. Mart.	21 28	9 10	4 30			
19	a	Rain or	21 38	10 26	5 16	At the Hand		
20	b	Snow.	21 48	11 35	6 5			
21	c	26 p. Trinity	21 57	12 47	6 49	and Pen in Barbican		
22	d	Cecily Virg.	22 6	Morn.	7 32			
23	e	*	22 14	2 18	8 18	are taught, viz. Wri-		
24	f	Fair *	22 22	3 16	9 5			
25	g	Quind. Mart	22 30	4 38	9 58	ring, Arithmetick,		
26	a	frosty and cold	22 37	6 0	10 54			
27	b	Weather.	22 44	D fets	11 53	Book-keeping, Alge-		
28	c	Advent Sun.	22 50	4 A 51	0 A 54			
29	d	Term ends.	22 56	5 55	1 58	bra, Measuring, Sur-		
30	e	St. And. A. *	23 17	8 3	2			

Persons taught  
abroad.

# December hath xxxi Days.

This Month with Christs Nativity was blest,  
 And ought to be esteem'd above the rest.  
 Let us to Heaven our Gratitude exprefs,  
 And by our Joy proclaim our Happinefs:  
 Shew forth that Bounty to the Season due,  
 If *whigs* are *Christians*, let them do to too.

M.	D.	Saints Day, &c.	Sun's Declin.	Days H.	M.	Moon South	Days break.	Day rise.	Sun set.						
1	e		23	68	A	29	4	A	2	15	59	8	10	4	
2	g	Brisk winds	23	10	9	45	4	57		6	6	18	12	4	
3	a	and frosty.	23	14	11	7	5	49		11	6	18	12	4	
4	b		23	18	12	22	6	35		16	6	18	12	4	
5	c	2 <sup>d</sup> in Adv. *	23	21	Morn.	7	19	21	5	59	8	10	4		
6	d		23	23	1	35	8	4		26	5	57	8	6	4
7	e		23	25	2	44	8	47							
8	f		23	27	3	56	9	32							
9	g	Milder Wea-	23	28	5	5	10	16							
10	a	ther about	23	29	6	13	11	1							
11	b	this time.	23	29	7	21	11	47							
12	c	3 <sup>d</sup> in Advent.	23	29	2	rise	12	37							
13	d	Lucia Virg.	23	28	4	A	52	Morn.							
14	e		23	27	5	49	1	26							
15	f	Ember week	23	25	6	54	2	12							
16	g	Snow or	23	23	7	59	3	1							
17	a	Sleet.	23	20	9	8	3	45							
18	b		23	17	10	18	4	29							
19	c	4 <sup>th</sup> in Advent.	23	14	11	28	5	13							
20	d	*	23	10	12	42	5	57							
21	e	St. Thomas.	23	5	Morn.	6	41								
22	f	Pleasant and	23	0	2	0	7	30							
23	g	fair.	22	55	3	19	8	21							
24	a		22	49	4	41	9	16							
25	b	Natus Christ	22	43	6	8	10	16							
26	c	St. Stephen.	22	36	7	31	11	23							
27	d	St. John Ev.	22	29	2	sets	0	A	22						
28	e	Innocents.	22	21	5	A	47	1							
29	f	Frosty and *	22	13	7	10	2	24							
30	g	cold at the	22	4	8	34	3	19							
31	a	end o <sup>th</sup> year.	21	55	9	51	4	9							

Lunations.

First Quarter the  
 day at 8 morning.

Full Moon the  
 12 day at 7 morn.

Last Quarter the  
 20 day at 9 morn.

New Moon the  
 27 day at 2 morn.

A Dark Night  
 Christmas ends  
 the Year.



*A necessary Reply to John Wing's base Reflections on  
this Author, with a further Detection of his notorious  
Errors, and disingenious Quotations.*

**M**R. Wing, whether induced by an innate propensity to Reviling, or agitated thereto by my malicious and implacable Enemy *J. P---dge*, in conjunction with that Man-setter, the nocturnal Guardian to a Deal-Yard, *F. Moore* of Lambeth, and thereby become their Tool, I shall leave to his own Determination: Tho' I am of Opinion, and that on good Reasons too, there is a mixture of his own baseness in the Composition.

An Incendiary or Eves-Dropper, is a most despicable Creature, and obnoxious to all human Societies, being the bane of all Felicity, the very pest of Concord and Harmony; for where he finds footing he changes the Scene, and in the room of Peace brings Discord and Confusion.

The last of which *John Wing* has been too sedulous in promoting; if he denies it, I demand what business he had with my Heifer, or Domestick Affairs? 'tis foreign to what he pretends to be disgusted at; therefore the part of a busie, troublesom Person, a sorry Fellow, and betokens little Wit or Discretion to meddle therein, and I doubt not but the Person chiefly concerned in that unhappy Matter, is sufficiently sensible of their Error e're this time; but whether so or not, 'tis no business of *John Wing's*, nor hath the least relation to the matter in hand.

This part the Infamous *P---dge* has been acting already to his shame, and to whom I have given a full answer in my *Ephemeris* for 1699, therefore count it needless to repeat here; and as I was obliged to dissect and openly expose the inside of that empty Goliath, so being again provoked to use my Pen for my own Justification, is the occasion of what follows; and am so far from thinking that this Antagonists borrowing half a dozen lines from his envious Crony *J. P---dge*, *Flagitiosus Mercurius*, &c. will be a sufficient answer to what is here objected against him: That if he quote all the rest of that scurrilous Pamphlet, it will not do it. And if this Caviller, who has so violently without



## Reflections upon John Wing.

any reason attack'd me, goes home by weeping Cross, meeting Disgrace instead of Applause, let him take it for his pains.

'Tis to be observed, that Mr. *Wing* has for some years been very zealous to appear in Print, and that too, before he was well settled in his Geers, to know what he would be at, or that the Science of the Stars had entred his Pericranium; for you must know, that about the year 1688, he began to be nibbling with his Pen to appear a fool in Folio, and produced Astronomical Tables, entituled *Astronomia Britannica Nova*, and a great noise was made about 'em, for their verity and conciseness of Operation: These Tables were left in Mr. *Coley's* Hands in order to Printing, but when they were inspected, were found Concise with a witness; the given Examples of Calculation, because they should on view appear short (and easie) were (as I am credibly informed) but little more than half perfected. These Tables not having the fate to be produced under a vital Horoscope, never saw the Light, but were buried in Oblivion: And out of these Ashes immediately sprung his darling *Scientia Stellarum*. The occasion thus, the Author being in London, and making a visit to that eminent Astronomer Mr. *Flamsteed*, was by him informed of his Errors about Parrallaxes and Refractions, &c. This short Advice, as appears, was enough to a forward Head, and now his understanding being a little enlightened thereby, he falls to work *Jehu* like to compile new ones, and requests some Observations of Mr. *Flamsteed* to favour his undertaking, which that indefatigable Gentleman generously imparted to him: what good uses he has made thereof will appear by and by.

But in the midst of his Career he's at a loss (as his Uncle was before him) how to calculate ♀'s passage over the body of the ☉, (by this one may judge him a fit Person to frame Tables of the Planets Motions) yet upon request again made to Mr. *Flamsteed*, he is readily assisted in that particular: And then that he might give the World a proof of his parts, he soon after, (*viz.*) in his Almanack for the year 1693, (having but newly learnt it himself) presents the World with a Diagram and Calculation of ♀'s passage over the Sun that year, and great pains to small purpose is taken, in performing the same, and when done, 'tis of no use, for this mighty pretender had mistook the Point, ♀ being then beyond the Sun, and consequently not to be seen on this side that glorious Body, which is a

### Reflections upon John Wing.

plain proof of his Ignorance; and for my giving him a modest Reprimand for this oversight in my Ephemeris, Anno 1695, I find he's become my Enemy, and a second Par-dge for Scurility and Malice.

And to begin the fray, he assigns the cause of difference to be contained in the Preface to my Ephemeris, for the year 1701, and quarrels at my Reasons, for adhering to *Astronomia Carolina*, rather than to his upstart Tables: To which Ephemeris I refer my Reader, presuming what is there mentioned will appear not only modest, but reasonable. He also alledges, that I endeavour to make the World have an ill opinion of his Tables, and boldly asserts, that my Ignorance and malice, have outstript my Reason, in saying, (by the example contain'd in his *Scientia*,) that his Tables of the ☉ differ almost a minute from the given Observation, which, (says he) is but 48". Now to whom the Character of Ignorant and Malicious does most properly appertain, will evidently appear. For,

This objection of *J. Wing* is so very weak, I will not say foolish, that it is ridiculous to mention it: for if  $\frac{2}{3}$  of a Minute may not be called almost a Minute without deserving the Epithite of Malicious, let any one determine. And let me tell him, his Tables (as I have observed already) are the first that ever came into the World under the denomination of new ones, that have appeared so very meanly attested. For whereas it is usual to confirm each Planet's numbers to the Heavens, with some scores of Observations, his Nonsuch *Scientia Stellarum* contains but four observations among the seven Planets in all; so that three of them are wholly unregarded: A method new indeed, being altogether different from the practice of the ancient and ingenious Artists.

'Tis granted, he seems something sensible of his defect in that matter, and insinuates now, that omission is accounted for in his Introduction to his Ephemeris, and what is left out in the former, is supplied in the latter. To which I answer,

Who knew that? VVe are to judge by what appears, and not by what's lock'd up in a Chest, or kept in reserve, for there were no more observations than the number mentioned, when I writ my Objections; therefore I cannot in reason be charged with Malice, the matter of fact being true and evident, so that if any such thing be, it lies at his own Door, therefore his Cavil is groundless.

Well,

## Reflections upon John Wing.

Well, but now he thinks to have hit the nail o' th' Head, and done his business to purpose, in comparing his ☉ to 23 Observations of *Tycho Brahe's* in his Ephemeris, — this you must conclude is great.

Ha, hz, has he so! and in troth to little purpose; for the same Observations are in Page 97 of *Astronomia Carolina*, and there 'tis obvious the Caroline Tables correspond better than his to the Heavens, at the time of those Observations.

The next discovery of *John Wing's* ignorance or malice, offers it self to every impartial Reader in the following particular, where he takes upon him to find fault with the Calculation of the Lunar Eclipse in my Ephemeris, for the year 1690, and pretends to correct an Error there, when in truth it was no more than a mistake in transcribing the Figures, (*viz.*) unwarily taking the equal time for the apparent, and having the work still by me, I will insert the whole operation, with Mr. *Flamsteeds* Observations of its beginning and ending, the better to vindicate my self, and make *J. Wing's* disingenuity and Ignorance more apparent.

But before we proceed, I can also acquaint him of the year when the like mistake happen'd, and the Calculation (I'll assure him) was not perform'd by the same Person.

*The Calculation of the Lunar Eclipse, which happen'd March 14th 1690.*

	h	'	"
The equal time of true ☿ is March —	14	9	48 10
The mean Anomal of ☉ —	8	25	36 22
☾ —	9	11	9 17
The place of ☉ —	♊	4	42 48
☾ in her Orbit —	♊	4	42 48
The ☿ subtract —	♋	26	11 50
Argument of Lat. —	6	8	30 58
☾ Lat. South —			44 42
Reduction sub. —			1 55
Hour. motion of ☉ —			2 28
Hour. motion of ☾ —			32 43
Hour. motion of ☾ á ☉ —			30 15
Time of Reduction add —			3 48
Equal time of ☿ reduced to the Ecliptick	14	9	51 58
Equation of time add. —			9 28
The apparent time of greatest obscurat. —	14	10	1 26



# Reflections upon John Wing.

The Horizontal parallax of ☾	_____	55	46
The Horizontal parallax of ☉	_____		15
The Sum of Horizontal parallaxes	_____	56	1
The Semidiameter of ☉ sub.	_____	15	56
The Semidiameter of ☉'s shadow	_____	40	05
The Semidiameter of ☾	_____	15	4
Sum of Semid. of ☉ and ☾	_____	55	9
Moons Latitude sub.	_____	44	42
The parts deficient	_____	10	27
Diggits Eclipsed	_____	4 <sup>h</sup>	10
Motion of $\frac{1}{2}$ Duration	_____	33	
Time of $\frac{1}{2}$ Duration	_____	1	5
Hence then,			
The beginning of the Eclipse at	_____	8	56 26
The middle at	_____	10	1 26
And the end at	_____	11	6 26

Observed by Mr. Flamsteed,  
 The beginning at \_\_\_\_\_ 8<sup>h</sup> 46'  
 Middle at \_\_\_\_\_ 9 56  
 The end at \_\_\_\_\_ 11 7

But *Wing* in his Almanack for that year, gives that Eclipse thus,

The beginning of the Eclipse at	_____	8	58	1
The middle or greatest obscuration at	_____	10	16	49
The end at	_____	11	35	37

Herein you may observe *J. Wing's* Errors (not mine) First he tells us that the Equation of time (for that's the point in dispute) according to *T. S.* is 6' 23" which is false, for 'tis no less than 9' 28", so that *J. Wing* is beside the Bridge at the first step: Neither does that Author direct it to be subtracted, (as *J. VVing* says he does) but the contrary, viz. to be added: whence the *World* may judge what a stupendious Calculator they are like to have of him; and surely no Man that has any Brains in his Head, would make such horrible blunders, especially at a time when he is openly reviling, and in the same thing too that he pretends to convict another of Errors. This is exactly like unto that silly Animal *John Heydon*, who in his *Holy Guide*, took on him to upbraid



## Reflections upon John Wing.

upbraid Mr. Street for making Astronomical Tables, and then knew not how to use them; because two different numbers were produced by Calculation from the supposed same time: the occasion was this, Mr. Street made a tryal of his Tables, by comparing them with an observation taken by Tycho Brahe at Urainburgh; John Heydon takes in the Meridian of London, the same time with Tycho at Urainburgh, without making allowance for the difference of Meridians, which was a grand absurdity in him so to do; and then charges his own Ignorance upon Mr. Street; and by the like practice the Product of J. Wing's dull phlegmatick Brain in this case by Transmotion is made to be G. P.

Next let it be observed, how much better the Caroline Tables agree to the time of this Eclipse, observed by Mr. Flamsteed, then the Calculation performed by J. W. for that time, which is an attestation of their Verity.

So likewise at the Eclipse of the Sun in September 1699, no one unless blinded with Malice, but may easily find what I intended by that Expression (a little before Noon) for amongst the Lunations that year, it is noted at large in Sept. New-Moon the 13th day near a 11 in the Morning, and not a few Minutes before 12, as J. Wing would suggest; besides by the Logist. Log. the equal time of New-Moon is 56 Min. past 10. Hence it is plain, that envy always takes things by the worst handle, and wrest meanings never thought on.

In the next place I shall take notice of his Legerdemain dealing, and shew how cunningly he plays at Boo-peep with the Stars, the easier to gain a good opinion of his new Tables, by which Fallacies it will appear, that they are not so valuable in reality, as he esteems them to be. For altho' the Ingenious Mr. Flamsteed did generously impart several Observations of the Planets, the better to enable him to make a compleat Theory of their Motions (and if an Artist had undertook the management, it might have proved so,) but happening into his hands 'tis otherwise. For if at any time he met with any Observation that did not chime with his Numbers, then it is to be buried in Oblivion by him, and the World is never to hear of it. This dissingenuity and insidious Practice, the peculiar Talent of a Pickthank alias Pickworth Mathematician, I do appeal to himself to answer, in relation to the following particulars.

### Reflections upon John Wing.

*Imprimis*, Anno 1677. Aug. 7th. 10 h 14 m. P. M. Mr. Flam-  
steed observ'd  $\Upsilon$  in  $\approx 22^{\circ} 9' 20''$  with Lat. A.  $1^{\circ} 11' 54''$ .

*Secondly*, In 1678. Sept. 3 d. 9 h. P. M.  $\Upsilon$  at Greenwich was  
observ'd in  $\Upsilon$   $0.2' 0''$  with Lat. 1. 39 8. A.

*Thirdly*, Anno 1680. November 22d. 7h 55' P. M.  $\Upsilon$  was  
then in  $\Upsilon$   $11^{\circ} 25' 36''$  Lat. A.  $0.42.47$ . and whoever will  
Calculate  $\Upsilon$  from *J. W.* and Mr. Street's Tables at this time,  
will find *J. W.* Tables to be short of the Observation  $13' 37''$   
in Long. and to exceed  $1' 50''$  in Lat. when Streets differ no  
more then  $3' 32''$  in Long. and  $17''$  in Lat.

The same again Anno 1681. December 27th, 9 h. 40' P. M.  
 $\Upsilon$  was then in  $69.15^{\circ} 0' 33''$  Lat. Bor.  $14' 32''$ .

These Observations as before charged, had never come to  
light, if *J. VV.* could have prevented it, nor Posterity have  
the advantage of them, and this for no other reason that I  
can find, but that  $\Upsilon$  at all those times had made an Elope-  
ment from his Tables.

But above all (as if Providence owed him a shame for  
his former prevaricating) more remarkable is that notori-  
ous Blunder of his in his Calculation, compared with the  
Observation of  $\Upsilon$ , made by Mr. Flamsteed Anno 1679, Oct  
18<sup>d</sup> 7 h. 40' P. M. which is mentioned by the said *J. VV.*  
in the Catalogue of  $\Upsilon$ 's Observations in page 17 of his *E-*  
*phemeris*, where he impudently gives out his Tables of  $\Upsilon$ ,  
agree to the Observation within  $\frac{1}{2}$  of a min. in Long.  
and  $\frac{1}{2}$  of a min. in Lat. And then to explode and render  
Mr. Street's Tables vile, Calculates (as appears by Page 18.) to  
the same time from *Astron. Carolina*, where he also either ig-  
norantly or craftily commits another gross Error, and abuses  
that Author in affirming *Astron. Carolina*, differ from the  
Observation in Long.  $10' 12''$ , and in Lat. no less than  $10'$   
 $40''$ , when in truth it is no such thing: For upon a just  
examination Street's Tables in Long. reach the Observation  
within  $8' 49''$ , and in Lat. differ only  $2''$ . But *J. VV.*'s  
Tables contrary to his fallacious Account, (which he pretends  
to agree within  $\frac{1}{2}$  of a min.) are found to fall short of the  
Observation no less than  $13' 36''$  in Long., and to exceed it  
Lat.  $2' 52''$ .

This gross Error can't reasonably be supposed to be ac-  
cidental; for how is it feasible that *J. VV.* should make a  
Blunder to the advantage of his own Tables, and then  
make a second Blunder to the prejudice of another man's

## Reflections upon John Wing.

this seems altogether improbable, and no impartial Man in his Senses, can easily believe it.

And then if it can't pass for a mistake, it must be granted to be a subtle Contrivance in him, confidently presuming, that no Man would take the pains to examine the matter whereby to detect the Imposure, and then this Deceit is made the means to introduce it to the World by the name of Verity.

Be it as it will it matters not, for in either case it comes to the same end, and plainly demonstrates that his Calculations are not to be depended upon, and this will be more conspicuous, by comparing the Calculation of  $\mathcal{U}$ , which I have performed both from his own, and Mr. *Streets* Tables as follows, and let *J. VVing* (if able) disprove it.

The Calculation of  $\mathcal{U}$  from *J. Wings* *Scientia Stellarum* and *Astron. Carolina*, Anno 1679, Octob. 18 d. 7 h. 40' P. M. at which time Mr. *Flamsteed* observed  $\mathcal{U}$   $\oslash$   $5^{\circ} 47' 5''$  with South Lat.  $1^{\circ} 27' 30''$ .

### Ex Scientia Stellarum.

Time.	Long. $\mathcal{U}$ .	Anoml. $\mathcal{U}$ .	N ode $\mathcal{U}$ .	
1601	5 10 43	11 2 53	3 6 56	
60	0 21 47	0 20 27	0 13	
18	6 6 30	6 6 6	0 4	
Oct. 18	0 24 12	0 24 11	3 7 13	Node
h. 7	1 27	0 1 27	1 5 32 32	Helio
m. 40.	0 8	0 8	9 28 19 32	Arg. Lat.
Min. L. h	1 3 13 35	6 23 38 35		
Equ. ad	2 18 57	Long. $\odot$	499623	
Helio.	1 5 32 32	Log. $\mathcal{U}$	569802	
$\odot$ pl.	7 5 28 45	T. 78 45 42	1070179	
Comut.	5 29 56 13	45		
thereof	89 58 6	T. 33 45 42	982508	
Paral. ad	57	T. 89 58 6	1325791	
Long. $\mathcal{U}$ .	1 5 33 29	T. 89 57 9	1308299	

179 55 15 Elong.

57 Parallax.

For the Lat.  $\mathcal{U}$ . Differs from

Comm. S. $\circ$ 3' 47"	A. C. 295850	Observation
Elong. S. $\circ$ 4 44	713882	in Long. 13' 36"
Incl. T. 1 12 6	832172	in Lat. 2 52.
Lat. $\mathcal{U}$ 1 30 22	841904	Time



# Reflections upon John Wing.

Time	Anomal $\varphi$ .	Ex <i>Astronomia Carolina</i> .
1661	11 24 13 0	Log. $\varphi$ . ————— 569676
18	6 6 15 2	Log. $\odot$ . ————— 499630
October	22 41 5	Tang. 78 43 41 ————— 1070040
d. 18	1 29 44	45
h. 7	1 27	Tang 33 43 41 ————— 982452
m. 40	8	89 55 32 ————— 1288630
Ano. M.	6 24 40 25	89 53 19 ————— 1271080
Long. $\varphi$	0 6 57 0	179 48 51 Elong.
Prec. ad.	28 39 2	2 13 Diff. Paral.
Helio $\varphi$	1 5 36 2	For the Lat. $\varphi$ .
$\odot$ pla.	7 5 27 7	As S. Com. 0 8 55 ————— 258600
Comm.	5 29 51 5	To S. 0 11 9 ————— 751100
$\frac{1}{2}$ thereof	89 55 32	So Tang. 1 10 0 ————— 830880
Paral. ad	2 13	To the Lat. 1 27 32 ————— 840590
$\varphi$ place.	1 5 38 15	Differs from Obs. { in Long. 8' 49"
		{ in Lat. 0 2

In the next place I shall take notice how he has acquitted himself in relation to the Planet  $\delta$ , whether his Oracle are more consentaneous to the Heavens than *T. Scree's* Tables, as he openly declares, and in this it proves much the same with the foregoing Comparison. And indeed 'tis my Opinion, never a Barrel better Herring; for in the 20 Observations of  $\delta$  mentioned in his *Ephemerides*, they are admitted to be as he has stated 'em, and never a Blunder committed; yet thereby I find the *Caroline* Tables stand upon as good a Basis as his own, and make as good proof so that he gains no ground of 'em in that point. 'Tis true he presents us in his *Ephemeris* with an Observation of  $\delta$  made in the year 1690, and then with a Calculation read cut and dryed from his *Mirror of Perfection* compared with the *Caroline* Tables, and there 'tis own'd he seems to have a small Advantage: But yet let me tell him, it is seemingly only, and inconsiderable; and what they get in the Shire is lost in the Hundred; for though his *Scientia* is nearer than the *Caroline* at that time in Long. yet in Lat. the latter is truer than *J. Wings*, and this I suppose he was aware of and would make against him; therefore herein (as at other times) politicly concealed the Latitude of that Planet which was observed to be  $1^{\circ} 33' 54''$  B.

And

## Reflections upon John Wing.

Another remarkable Objection may be made against his Infallibility, in an Observation of the same Planet  $\zeta$ , as was in  $\mathcal{U}$  preceding and obscured by him in a more particular manner than the former; for herein Mr. *Flamsteed* had given him a direct caution to have regard to an Observation taken at *Darby* in the year 1672, Sept. 28<sup>d</sup> 6<sup>h</sup> 58' P. Merid., when  $\zeta$  was found in  $\mathcal{H}$   $11^{\circ} 52' 20''$  Lat. South  $2^{\circ} 43' \frac{1}{3}$ , and informed him how that the *Caroline* Tables differed at that time egregiously from the Heavens. This was a very eminent direction for him to walk by, but how he will Appologize for his neglect to Mr. *Flamsteed*, or palliate the matter (for adhering no better to his Directions, I can't conceive) and so egregiously as the *Caroline* Tables are said to Err; yet those of *Scientia* fail at that time much more, for tho' the *Caroline* are defective  $11' 55''$  yet those of *J. Wing* differ much more, being no less than  $16' 9''$ . So that it is evident by all these various Comparisons, the *Caroline* Tables may still be more safely depended upon, as any of his *Pigmy* performances.

So likewise in those seven Observations of  $\mathcal{H}$  mentioned in his *Ephemeris*, Pag. 15, made by Mr. *Flamsteed* between the years 1676, and 1683, which since *J. W.* had them for a guide to fix his numbers by, it will not be amiss, to demand of him a reason why his Tables answer the Observations no better than they do? For by his own Computations, all of them are found to exceed  $\mathcal{H}$ 's motions about  $10'$ . It is not sufficient for him to say, they come nearer than the *Caroline* Tables, for these being modern Observations (made long since the compiling of *Astro. Carol.*, and 'tis to be presumed are more correct, than those formerly made by the Ancients) and ought in a more eminent manner to be depended upon. Therefore his Tables should cohere exactly therewith, otherwise his VVork (tho' never so much admired by himself) will fall short of the perfection requisite, as the following instance does make appear.

For altho' the Planet  $\mathcal{H}$  hath not performed  $\frac{1}{4}$  of a Revolution since the composing of *J. W.*'s Book, nay, before he could find an opportunity to hand it to the Press; yet in this small space of time, by a later Observation taken in the year 1695, his *Scientia Stellarum* is found to recede from that Planet's motion, when at the same time the *Caroline* do accord almost to a Nicety.

Here

# Reflections upon John Wing.

Here follows a Calculation of  $\eta$  to Anno 1695, June 25.  
 11<sup>h</sup> 52' P. M. at which time Mr. Flamsteed observed that  
 Planet in VS 12° 22' 40", with North Latitude 0' 26'.

Time.	Anomal $\eta$ .	Ex Astro Carolina.	
1681	5 19 59 30	Log. $\odot$ .	500741
14	5 21 4 42	Log. $\eta$ .	600274
June	5 3 9	Tang. 84° 13' 41"	1099533
day 25	50 11	45	
hour 11	55	39 13 45	991189
min. 52	4	89 19 35	1192968
Ano. M.	0 16 58 31	98 10 30	1184157
	8 12 41 17	178 30 5	Elong.
prec.	28 51 35	9 5	Paral.
Helio $\eta$	9 12 32 52	For the Lat. $\eta$ .	
$\odot$ place	3 13 53 41	As S. 1° 20' 49"	162882
Commur.	6 1 20 49	S. 1 29 55	841751
Compl.	5 28 39 11	T. 0 22 59	782514
$\frac{1}{2}$ thereof	89 19 35	The Lat. 0 25 34 B.	787147
Paral. sub.	9 5		
$\eta$ place.	9 12 23 47		

## Ex Scientia Stellarum.

Time.	Long. $\eta$ .	Anomal. $\eta$ .	Node $\eta$ .
1695.	9 8 14	0 10 13	3 21 29 0
June 25	0 5 53	0 5 53	9 12 24 35
hour 11	55	55	5 20 55 35
min. 52.	4	4	
M-Long. $\eta$	9 14 7 59	Log. $\eta$ .	600258
Equat. sub.	1 43 24	Log. $\odot$ .	500767
Helio $\odot$	9 12 24 35	T. 5° 46' 39"	900509
$\odot$ place	3 13 54 42	45	
Commur.	6 1 30 7	T. 50 46 39	991181
Compl.	5 28 29 53	T. 89 14 56	1188239
$\frac{1}{2}$ thereof.	89 14 56	T. 89 4 40	1179420
Par. sub.	10 16	178 19 36	Elong.
$\eta$ 's place	9 12 14 19	10 16	Parallex.

For



# Reflections upon John Wing.

For the Latitude.

As S. Elong.	1° 40' 17"	_____	_____	846539
S. Comm.	1 30 7	_____	_____	841848
S. C. T. In.	0 23 44	_____	_____	1216091
				<u>2057939</u>
To C.T. the Lat.	0 26 26			1211400

From hence it is not to be denied, but by all the several recited omissions of *J. W's* Remarks and Comparisons, the *Caroline* Tables, although made without those most excellent Observations of our *English Tycho, Copernicus, Ptolomy* and *Hipparchus* all in one; (who has, by his unparalleled Skill, demonstrated the distance of the fixt Stars, with an evidence worthy of its Author) do save the Celestial appearances completely as well, and are preferable to these later Tables; for he does acknowledge Page 15 of his *Ephemeris*, that the inferior Planets ♀ and ♂ differ but little from his Uncles (*V. Wings*) or Mr. *Streets*: what he means by a little, I am at a loss to determine; but this is undeniably true, that by his *Scientia Stellarum* and *Ephemeris*, ♀ varies almost half a Degree from the *Caroline* Tables, and from this *Ephemeris* 41'; in the beginning of this present *November*, ♀ being at that time near her Retrograde Conjunction with the ☉. Therefore I could wish that *Venus* as near as may be to the Conjunction, were carefully observed by such as are fitted with sufficient Instruments.

And to conclude, if our new Author could not have made an amendment to the purpose, and exceeded what was done before him; then has he blotted paper only in vain, which might have been employ'd to better purpose.

Likewise let it be considered, whether it be not an absurdity in him, to pretend to Calculate the place of a Planet to the nicety of Seconds, when the *Radix's* of his Tables are only computed to minutes, which in collecting of several Numbers, is thereby liable to gain or lose 2 or 3 min. both in mean Longitude and Anomaly.

## Remarks upon J. Wings Erroneous Ephemeris.

I shall next take in hand to examine the Validity of his needless *Ephemerides*, which is supported with a couple of *Encomiums* from as reputable Persons as e'er were united to



### Remarks upon John Wing's

a Whipping Post, ( for it is not the first time one of them has bestowed the same favours in commendation of a Work of this nature, and afterwards revil'd it, and it's Author too, as if he had bin none of it's Voucher, or that he knew any thing of the matter, as I am inclined to believe he did not, nor yet of this now under Consideration.

But if they contend for it's Justification, as 'tis probable they will, ( for Birds of a feather hold together ) I then advise them upon publishing their 2d Part, to subscribe on the Title-Page, By Us Three —

He makes a mighty noise about my first *Ephemeris* for the year 1690, of  $\odot$  being found  $3' 26''$  short of what *Astro. Carolina* makes, and would have it thought to be a great Defect; when in it self upon an impartial Construction, it will not appear to be one. For I can tell him, he that works with the Cannon but to Minutes, as I and all do, in a Work of this nature ( except it be at particular times ) will be always liable to miss 1 or 2 min. nay, sometimes more, of a Planets true place, to what it will be if the Operation be performed to Seconds: from hence it appears, that his Malice magnifies that to be a Mountain, which in reality won't advance to a Mole-Hill. Nevertheless I shall not take upon me to defend every Punctilio in that Book, in regard the whole

whole is not of my Composing; for at the beginning of that Work, I design'd only to perform  $\frac{1}{2}$  part, tho' afterwards more fell to my share, which came unthought of, through the failure of some who at first joyned in the Undertaking.

I did in Anno 1700. admonish this Self-admirer, and reminded him of his monstrous Errors committed in his Computation of the Planet's Motions for the year 1687. wherein if he had a Planets true place one Day, it would frequently be a Degree false the next, as will appear by the comparing it with the *Ephemeris* published by the Royal Society for the same year; which one wou'd think should have made him more circumspect, to prevent the like Errors for the time to come.

Also in the year 1701, I gave him another modest Repri-mand, for a grand Oversight committed by him in the preceding year 1700. how he had lost no less than three E-clipses out of five: and notwithstanding all these great Absurdities,

## Erroneous Ephemeris.

hardities, of which himself is so frequently guilty, yet either he can't or won't discern.

And to convince the World that this incorrigible Blunderer is no Changeling, I shall proceed to expose his gross Mistakes in later Performances, (*viz.*) In his *Ephemeris* commencing Anno 1702, notwithstanding the Assistance of his two Not—able Directors, whereby it will be manifest his Calculations are not to be relied on.

Where the Error is only 2 or 3 min. I assure him it shall be silently passed by, as being too mean for my Cognizance, though his captious Temper won't permit it in another. And indeed should I attempt to be so severe, it would far exceed my limited bounds, and design'd brevity.

It is a common received Notion, that he who makes a false step at the beginning of an Enterprize, seldom makes a good Conclusion: which if it holds true, then *J. VV.* by blundering in his Calculations at the Threshold, or first entrance of his *Ephemerides*, must partake of the same fate. Therefore observe the Deficiencies in *January 1702.*

The place of ♀ is false the first five days of the Month, for by his own Tables *January 1st*, ♀ is in ♌ 29 53, but he makes it ♍ 0 19.

*January 14*, he gives a Helioc. ♂ ♃ and ♀, when there is no such thing.

Aspects omitted.

Geocent. 14th \* ♀ ♀ Helioc. 14 □ ♃ ♀. 16 △ ♂ ♀.  
27 \* ♃ ♀. 30 □ ♂ ♀. 31 \* ♄ ♀.

February 1702.

His ♀ at the beginning is 7' before mine, and at the middle of th' Month 3' behind, yet 1st of *March* both agree. Also ♀ at the beginning the same to a minute with mine, yet about the 16th 12' faster; which is truest let the Judicious determine.

Aspects omitted.

Helioc. 11 □ ♂ ♀. 23 8 ♂ ♀. 24 △ ⊕ ♀. 26 \* ♄ ♀.

March 1702, his ♂ moves irregular.

He inserts □ ⊙ ♂, when there's none.

Aspects omitted.

Geoc. 20. ^ ♂ ♀. 24 ☾ ⊙ ♀. 31 8 ⊙ ♀.

Helioc. 2 □ ⊕ ♀. 8 \* ⊕ ♀. 11 □ ♂ ♀. 18 \* ♂ ♀.  
9 8 ♃ ♀. 24 ♂ ⊕ ♀. 25 △ ♃ ♂.

April 1702.

Aspects inserted that are not, Helioc. 19 \* ⊕ ♀. 24  
□ ♃ ♀.

# Remarks upon John Wing's

Aspects omitted.

Helioc. 17  $\square$  4 ♀. 28 \* 4 ♀. 30 \*  $\bar{h}$  ♀.

May 1702.

At the beginning his ♂ is short of my *Ephemeris*. On the 12th he agrees with me, and then on the 20th his is again 22' behind, after the same manner is the Planet ♀, whose is truest, I leave Mr. *Flamsteed* to determine. Besides let it be observed how he makes ♂ to be stationary for 3 Days together, when 'tis no such thing; fourth Day his ♂ is Erroneous, and his *Errata* has it not.

Aspects omitted.

Geoc. 18 \*  $\odot$  4. 22  $\triangle$  ♀ ♀. 28 8  $\ominus$  ♀.

Helioc. 4 \* ♂ ♀. 13  $\square$  ♂ ♀. 15  $\square$  ♀ ♀. 19  $\triangle$  ♂ ♀. 29  $\square$  4 ♂. 30  $\square$   $\bar{h}$  ♀.  $\square$  4 ♀. 8 ♂ ♀.

June 1702.

Upon the 11th day his ♀ is 6' before mine, on the 11th about equal, then on the 16th 8' behind, so very uncertain are his Calculations, the same again in ♂, for on the 8th day he is 27' behind mine, on the 21st but 16'; then again July the 4th, the difference is 41', a very strange irregular Motion. Whether he or I in this, as the foregoing have used the better Skill, let the Learned determine.

And that I may give my Reader some Light, which is the Bungling Calculator, I will exhibit the place of ♂ from his own Tables, for the 21st day of this Month to detect his Assurance, as is alledged before.

## The Calculation of ♂ from Scientia Stellarum.

Time.	Long. ♂.	Anomal ♂.	
1702	6 19 42	1 18 39	
June 21	3 0 8	3 0 8	
Long. ♂	9 19 50	4 18 47	
Equ. sub.	7 38 52	Log. ♂	515333
Helio.	9 12 11 8	Log. $\odot$	500772
$\odot$ pl.	3 9 55 23	T. 54 25 50	1014561
Comm.	5 27 44 15	45	
$\frac{1}{2}$	88 52 7	T. 9 25 50	922036
Paral.	5 38 59	T. 88 52 7	1170445
♂ place.	9 17 50 7	T. 83 13 8	1092481
		172 5 15	Elong.
		5 38 39	Parallax Orb. Ey

## Erroneous Ephemeris.

By this Calculation perform'd from his own Tables, the place of  $\odot$  you see is  $\text{VS } 17^{\circ} 50' 7''$  yet in his *Ephemerides* he gives it to be  $\text{VS } 18^{\circ} 4'$ , which is complearely 14 Minutes more than his Tables admit off. Now the quere is, which he'l admit to be the right, for one of them must be granted to err: So that I have here got my Antagonist by the Nose in his own Trap.

Likewise his  $\odot$  the first day is 3' Erroneous, on the 29th 1', and his Errata has it not.

Helioc. Aspects incerted by him, that are not,  $23 * h \text{ } \text{♀}$   $\odot \text{ } \text{♀}$ . Helioc. Aspects omitted,  $3 \triangle \text{ } \text{♀}$ .  $11 \triangle \text{ } \text{♂} \text{ } \text{♀}$ .  $16 \text{ } \text{♂} \text{ } \text{♀}$ .  $19 \square \text{ } \text{♀}$ .  $20 \square \text{ } \text{♂} \text{ } \text{♀}$ .  $27 \text{ } \text{♂} \text{ } \text{♂} \text{ } \text{♀}$ .  $30 \triangle \text{ } \text{♀}$ .  
July 1702.

Here again he makes  $\odot$  Stationary 3 Days, as he did in May, and at the beginning of the Month he makes the Planer's Diurnal motion to be 20', when it does not exceed 17, and about the 8th gives it to be 13', when it is 16', to make his Defects good.

Geoc. Aspects omitted, (*viz.*)  $20 * \text{ } \text{♀}$ .  $31 \text{ } \text{♂} \text{ } \text{♀}$ .  
Helioc. Asp. omitted,  $6 \triangle \text{ } \text{♀}$ .  $12 \text{ } \text{♂} \text{ } \text{♀}$ .  $15 * \text{ } \text{♀}$ .  $17 \square \text{ } \text{♀}$ .  $27 * \text{ } \text{♂}$ .  $28 * \text{ } \text{♀}$ .  $\text{♂} \text{ } \text{♂} \text{ } \text{♀}$ .  $30 \text{ } \text{♂} \text{ } \text{♀}$ .  
August 1702.

Incerted that are not, (*viz.*)  $18 * \text{ } \text{♀}$ .  
Heli. Asp. { Omitted  $19 \square \text{ } \text{♂} \text{ } \text{♀}$ .  $22 * h \text{ } \text{♀}$ .  $d^{\circ} \text{ } \text{♂} \text{ } \text{♀}$ .  
{  $d^{\circ} \square \text{ } \text{♀}$ .  $d^{\circ} * \text{ } \text{♀}$ .  $25 \triangle \text{ } \text{♂} \text{ } \text{♀}$ .  $27 \square h \text{ } \text{♀}$ .  
{  $d^{\circ} \square \text{ } \text{♀}$ .  $28 \triangle \text{ } \text{♀}$ , besides some that are false in Time.

Sept. 1702.

Helioc. Aspects omitted, (*viz.*)  $14 \text{ } \text{♂} h \text{ } \text{♀}$ .  $25 \triangle \text{ } \text{♂} \text{ } \text{♀}$ .  
 $29 \triangle \text{ } \text{♀}$ .

October 1702.

Helioc. Aspects omitted, (*viz.*)  $15 \square h \text{ } \text{♀}$ .

November 1702.

Geoc. Asp. omitted,  $18 \text{ } \text{♂} \text{ } \text{♀}$ .  $24 \text{ } \text{♂} \text{ } \text{♀}$ .  
Helioc. Asp. omitted,  $2 \text{ } \text{♂} \text{ } \text{♀}$ .  $5 * \text{ } \text{♀}$ .  $10 \text{ } \text{♂} \text{ } \text{♀}$ .  
 $18 \text{ } \text{♂} \text{ } \text{♀}$ .  $19 * \text{ } \text{♀}$ .  $20 * \text{ } \text{♂} \text{ } \text{♀}$ .  $24 \square \text{ } \text{♀}$ .  $d^{\circ} \triangle \text{ } \text{♀}$ .  
 $28 \triangle \text{ } \text{♀}$ .  $29 \triangle \text{ } \text{♀}$ .

Decemb. 1702.

Geoc. Asp. omitted,  $21 \square h \text{ } \text{♀}$ .  $29 \square h \text{ } \text{♀}$ .  $31 \square \text{ } \text{♀}$ .  
Helioc. (*viz.*)  $1 * \text{ } \text{♀}$ .  $29 \square \text{ } \text{♀}$ .  $31 \square h \text{ } \text{♀}$ .

Thus have I run through the year 1702, wherein several Aspects



## Remarks upon John Wing's

Aspects are mistim'd, of other faults many, which are not mentioned.

I will now take a short view over his Labours for the year 1703, and see how much better he has acquitted himself there. I shall be very brief, presuming my Reader to be almost tired, as I am my self with these tedious Repetitions.

January 1703.

27th The Moon's place Errs  $3^{\circ} 29'$  Lat.  $\blacktriangleright$  false  $12'$ , his Errata has it not.

d° Aspects omitted.

Helioc. 20  $8 \ominus \text{♀}$ . 23  $\text{♂} \text{♀} \text{♀}$ . 26  $\square \text{♂} \text{♀}$ . 30  $\square \text{♂} \text{♀}$ .  
31  $\triangle \text{♀} \text{♀}$ .

February 1703.

9th He inserts a Helioc.  $\text{♂} \text{♂} \text{♀}$ , when there's none.

Aspects omitted.

8.  $\triangle \ominus \text{♀}$ . 11  $\ast \text{♀} \text{♀}$ . 14  $\text{♂} \text{♂} \text{♀}$ . d°  $\square \ominus \text{♀}$ . 17  $\square \text{♀} \text{♀}$ .  
20  $\ast \ominus \text{♀}$ . 24  $\triangle \text{♀} \text{♀}$ . 25  $\ast \text{♂} \text{♀}$ . 27  $\ast \text{♂} \text{♂} \text{d}^{\circ} \ast \text{♂} \text{♀}$ .  
d°  $\triangle \text{♀} \text{♀}$ .

March 1703.

Aspects inserted which are not, Helioc. 11  $8 \text{♂} \text{♂}$ .

Omitted Geoc. Aspects 1  $\text{♂} \text{♀} \text{♀}$ . Helioc. 4  $\square \text{♂} \text{♀}$ . 31  $\triangle \text{♂} \text{♀}$ .

April 1703.

Here the Latitude of  $\text{♀}$  is false, for it varies not one Minute in all the Month, which he makes to be  $4'$ , also  $\text{♀}$  the 21 Errs by his account  $10'$  in Lat., also on the 6th  $\text{♀}$  South Lat. not North, as he makes it to be.

Aspects omitted.

Helioc. 6  $8 \text{♂} \text{♀}$ . 20  $\square \ominus \text{♀}$ . 24  $\ast \text{♀} \text{♀}$ . 28  $\triangle \ominus \text{♀}$ . 29  $\triangle \ominus \text{♀}$ . 30  $\triangle \text{♀} \text{♀}$ .

May.

In this Month  $\text{♀}$  according to J. Wing's Calculation, (in his Lat.) makes a reverse of the Error committed in April to gain his former lost Ground, when in truth he has been stationary all this while. Also the Lat.  $\text{♀}$  is faulty the 6th, and  $\text{♀}$  Lat. on the 11th day. Likewise 21 day  $\text{♀}$  in Longitude is  $5'$  faster, but at the month's end  $5'$  behind my *Ephemeris*.

Aspects omitted.

Geoc. 31  $\ast \text{♀} \text{♀}$ . Helioc. 8  $\square \text{♀} \text{♀}$ . 10  $\ast \text{♂} \text{♀}$ . 11  $8 \ominus \text{♀}$ . 15  $\ast \text{♀} \text{♀}$ . 17  $\ast \text{♀} \text{♀}$ . 24  $\triangle \text{♂} \text{♀}$ .  $\triangle \ominus \text{♀}$ .  
25  $\triangle \text{♀} \text{♀}$ . 28  $\triangle \text{♀} \text{♀}$ . 30  $\text{♂} \text{♀} \text{♀}$ .

June

# *Ertoneon's Ephemeris.*

June, 1703.

Here we have ♀ according to *J. W.* at the beginning of the Month, to precede my *Ephemeris* 3'; but before the Month's end, as much later. This is but a small Fault with him, for whatever that Planet loses in this Month, he makes her to fetch up in the next, which makes amends again to his Judgment: Observe it.

Aspects omitted here.

Helio. 12 ♀ ♂ ♀. 28 ☐ ☿ ☿. d° △ ☿ ♀.

July, 1703.

As I have already observed in the last, this, and the succeeding Month, our Evening Star, Mrs. *Venus*, undoubtedly turns Weather cock, for she being sometimes before, at other times behind our Author's numbers, makes it difficult to meet with her: So likewise the nimble Squire of the Starry Orb, (after a Fit of Heaviness) according to *J. W.*'s Ordering, takes a Frisk at Leap-frog; for upon the last day he makes that Planet take a Jump of 64', when of his own will he would not exceed above 49'. And about 5 days after, when that active Sir is about advancing 82' in a day, *J. W.* to make him know himself, claps a Clog to his Breech, and confines him to 72'; by which means *J. W.* takes the Advantage, (that Planet being of a convertible temper) and works him like Rye Paste into what motion himself pleases, to comply with his Calculations, as is conspicuous to any Person that will examine the diurnal motion of ♀ from the 29th of *July* to the 10th of *August*, and compare it with mine for the same time.

Aspects Omitted.

Helio. 14 ♂ ☿ ♀. 23 ♀ ♀ ♀. 29 △ ☿ ♀.

August, 1703.

At the beginning of this Month, *J. W.* has ♀ 8 minutes before mine, but on the 10th day equal; afterwards slower, yet before the Month's end, faster again, also in ♀ he's uncertain, for at the beginning he has that Planet 11' before mine, on the 10th almost equal as in ♀; and then 3 days after, viz. on the 12th, gives it to precede mine less than 12': Either he or I must be wrong; which is I'll say at this time, it being easie to determine; only Errata ought to have noted that Planet's place the 26 day.

Aspects Omitted.

Geocent. 5 △ ☿ ☿. 30 △ ♀ ♀.

Helio.

# Remarks upon John Wing's, &c.

Helios. 1  $\odot$   $\text{h}$   $\text{q}$ .  $\ast$   $\ominus$   $\text{q}$ . 3  $\triangle$   $\text{q}$ . 7  $\square$   $\ominus$   $\text{q}$ .  
 8  $\square$   $\text{q}$ . 11  $\ast$   $\text{h}$   $\text{q}$ . 13  $\ast$   $\text{q}$ .  $\triangle$   $\ominus$   $\text{q}$ . 15 8  $\text{q}$ .  
 24  $\odot$   $\text{q}$ . 25  $\triangle$   $\text{q}$ . 26 8  $\ominus$   $\text{q}$ .

September, 1703.

Here we have a repetition again of the like Errors in  $\text{q}$  and  $\text{q}$ ; for tho'  $\text{q}$  at the beginning o'th Month moves somewhat before mine, yet at the end he makes her to lag behind almost a quarter of a degree; and  $\text{q}$ , that on the first day is 6' behind, at the middle of the Month gets the start, and is as much a Fore-runner.

Aspects Omitted,

Helios. 26  $\square$   $\text{q}$ .

October, 1703.

Tho'  $\text{q}$  at the beginning is 14' later by J. W. than my Calculations shew her to be, yet at the end she is much more, viz. 41'; the difference is so very great, that we can't easily admit the Error either in my self, or my Author's numbers. It is hop'd our assiduous Tycho will determine the matter, till which time we will leave it.

Aspects incerted by J. VV. that are not, viz. Helioscent. 13  $\ast$   $\ominus$   $\text{q}$ .

Aspects Omitted.

Geocent. 22  $\odot$   $\text{q}$ .

Helios. 19  $\ast$   $\ominus$   $\text{q}$ . 28  $\odot$   $\text{q}$ .  $\odot$   $\text{h}$   $\text{q}$ . 31  $\odot$   $\text{q}$ .

November, 1703.

In this Month happens a retrograde Conjunction of the  $\odot$  and  $\text{q}$ . According to J. VV's Calculation, the mean time of the Conjunction by the Logist. Log. is upon the 4th day 4<sup>h</sup> 7' P. M. but by my Ephemeris the same is not till 13<sup>h</sup> 14' a vast difference of time between us, and what I hope may put some curious Persons upon Speculation to discover the Error.

Aspects Omitted.

Geocent. 4  $\odot$   $\text{q}$ . 14 8  $\text{q}$ . 18  $\odot$   $\text{q}$ .

Helios. 2  $\odot$   $\text{q}$ . 5  $\triangle$   $\text{q}$ . 10  $\square$   $\text{q}$ . 16  $\ast$   $\text{q}$ .  
 $\ast$   $\text{q}$ . 24  $\triangle$   $\text{q}$ . 26  $\square$   $\text{q}$ . 28  $\triangle$   $\text{q}$ .

December, 1703.

$\text{q}$ , who was 2 Months since according to J. VV. fettered and obstructed in her motion, is now at liberty, and with a full Sail stems the Tide to make good her lost ground, and almost obtains it too before the Month ends.

Aspects



## Of the Eclipses, 1703.

Aspects Omitted.

Geocent. 29  $\square$   $\hbar$   $\varnothing$ . Helioc. 3 8  $\hbar$   $\varnothing$ . 23  $\triangle$   $\hbar$   $\varnothing$ .  
 26  $\ast$   $\varnothing$   $\varnothing$ . 29  $\square$   $\varnothing$   $\varnothing$ . 31  $\triangle$   $\hbar$   $\varnothing$ .

Aspects incerted that are not.

Helioc. 1  $\triangle$   $\varnothing$   $\oplus$ . 17 8  $\oplus$   $\varnothing$ .

Thus I have run thro' two years of his exquisite *Ephemerides*, wherein I dare be bold to say, he has made more Blunders and Omissions than any Author that has ever pretended to a Work of this Nature; and I am of Opinion, that he has made Blots enough for me to hit in the Years that are yet to come; which, if God spares my life, shall in their convenient time be made publick. I shall now proceed to discover his Errors in the Eclipses of this Year, in comparing them with what follows.

## Of the Eclipses, 1703.

There will be six Eclipses this Year, whereof two will be of the Moon, which will be both Total, and (if the Air be clear) visible at *London*. The other four will be of the Sun, but not to be seen here. They happen (according to the Computation of an Astronomial Friend) in the order following.

I. The first is of the Sun, on the 6th of *January*, about Noon, invisible at *London*, and tho' great in it self, will be scarce seen in any part of the known World; the Central Shadow enters on the Earth near to *Magellan's Streights*, and thence traversing the South frigid Zone, it again tends Northwards, and leaves the Earth near the Meridian of *Java Head*, in the Latitude of  $41^{\circ}$  South. The partile Shade reaches the more Southerly parts of *Brazil* and *Pern*, and last enters upon the extream southerly Land of *Africa* about the Cape of *Good Hope*, but falls far short of the Islands of *St. Thomas*, which *J. Wing* has notified for a place where it may be seen.

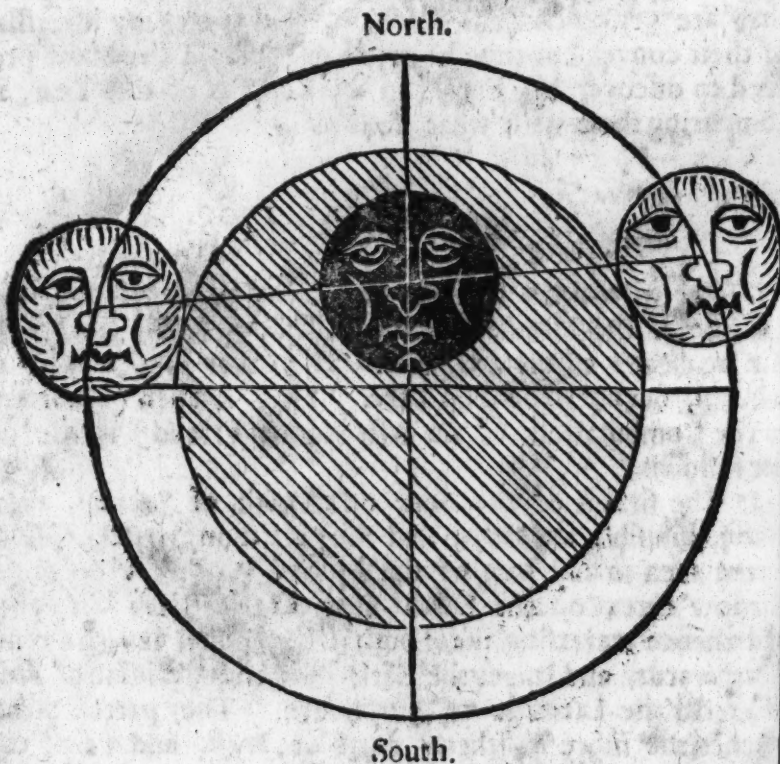
II. The second is a great Eclipse of the Moon on the 18th of *June* in the morning, and will be all visible from beginning to end. This Eclipse will be seen all over *Europe* and *Africa*, and the greatest part of *America*.

# Of the Eclipses, 1703.

At London

	h.	
The beginning is on the 17th at —	11	27 $\frac{1}{2}$ P. M.
The Immerfion at —	12	30
The middle at —	1	10 Mane.
The Emerfion —	1	50
The End —	2	52 $\frac{1}{2}$

A Representation of the Eclipse.



Lat.  $\angle$  at the beginning } North Descending.  
And at ending }

III The third is of the Sun July 3<sup>d</sup> in the morning. This Eclipse will not be seen in the Southern parts of Earth, as *J. Wing* has ridiculously affirmed; but will be held all over the Northern parts of the World where the Sun does not set, and will be at greatest nine Digits,

## Of the Eclipses, 1703.

that in the Latitude of 68 North, about 3 hours to the West of London. In the Parallel of London it cannot be seen in any sort, from 97 degrees of Long. West, where it begins at Sun Set, to 28 degrees East, where it ends at Sun Rise. In Poland and Muscovy it may be seen in the Rising Sun, and so to the Eastwards through great Tartary. It may be worth observing in Greenland, and about the North-Cape, and at the City of Archangel.

IV. The fourth is an Eclipse of the Sun on November 27th about Sun-set. This Eclipse in Iceland, where 'tis greatest, will be but of six Digits. It may be seen in our Northern Plantations in America, as in Hudson's-Bay, New-England, and Newfoundland, the Penumbra-reaching Bermudas, and the Western Islands. It sets at London just as it begins, but may be seen in the Setting-Sun in the West of England, France, and Spain, and in Portugal, and Ireland. It may be worth while to look out here at Sun set for the Beginning, notwithstanding the Sir-positive Mr. Wing says the contrary.

V. The fifth is a great Total and nearly Central Eclipse of the Moon on the 12th of December, in the morning. Before the Eclipse ends the Sun rises, and those that have the Opportunity (if the Air be clear) may see the Sun and the Eclipsed Moon both at a time, by help of the Refraction of the Air. The Duration of this Eclipse is nearly as great as is possible.

### At London

	h.	
It begins December 12 at _____	4 34 $\frac{1}{2}$	}
The Immersion or total Darkness at _____	5 40 $\frac{1}{2}$	
The middle at _____	6 33 $\frac{1}{2}$	
The Emerfion, or end of total Dark. _____	7 25 $\frac{1}{2}$	
And the end at _____	8 31 $\frac{1}{2}$	}

Morning.

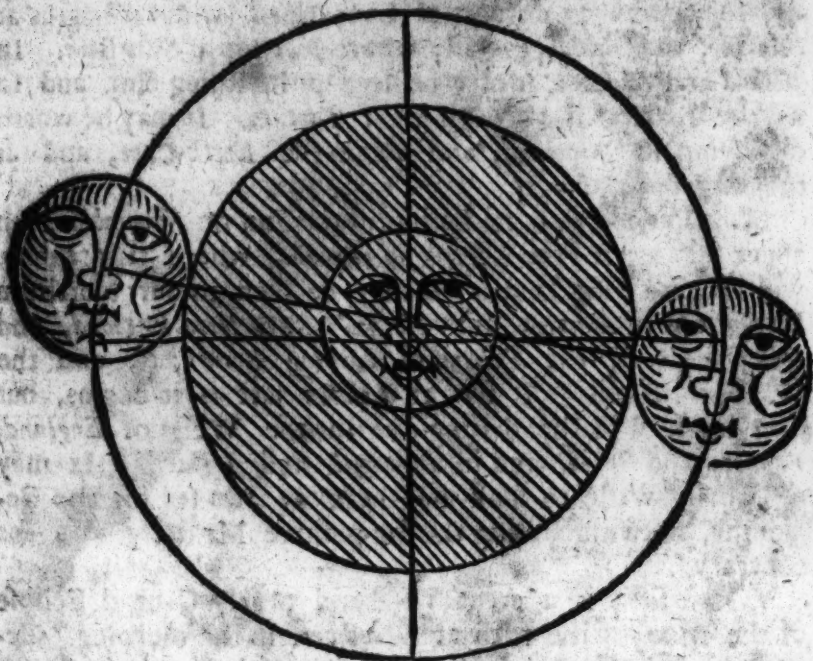
'Tis hop'd the Computation of these two Lunar Eclipses, may approach very near the true times of their Appearance in the Heavens.



Of the Eclipses, 1703.

A Type of the Eclipse Appearance.

North.



South.

Lat. of the Moon at the { Beginning South } ascending.  
 { Ending North }

Here Mr. *J. VVing* commits two Errors in this Eclipse, one in delineating, the other in the Account he gives of it; for in the two last Lines of Page 126 of his *Ephemeris*, which his *Errata* also directs to read (so that 'tis no accidental Mistake) he says, Latitude Moon at the beginning South descending, and at the end North ascending: Whence it may be justly queried, whether Mr. *Wing* be in his Senses, or if he be, that he knows what Ascending and Descending denotes, for what he has writ is a Contradiction in It self, and can never happen in any Eclipse whatever.

Next, 'altho' the Moon (as appears by Calculation) has South Latitude at the beginning of the Eclipse, and North at the end; yet he, in delineating its Type, makes her Latitude North descending at the beginning, and South descending at the end, when in truth it is the contrary, viz. South Latitude ascending when it begins, and North ascending at the end, as here the Diagram shews.

VI. The

### *Some Observations in Gardening.*

VI. The last will be a small Eclipse of the Sun, scarce any where to be seen but within the *Antarick Circle*, and therefore not worth our farther Consideration. Where 'tis greatest it can be but of four Digits on the South-side of the Sun, and that in the Latitude of  $67 \frac{1}{2}$  degrees South, and Longitude 35 degrees west of *London*.

And now having made this large Recital of *J. VVing's* Errors, of which some are prodigious, I caution all our Annual Writers, not to rely too much on his uncertain Calculations, lest they are unwarily led into the same Faults with himself, as 'tis probable, some may have done this very year by depending upon him.

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### *Some Observations in Gardening and Agriculture.*

I Have not room left at this time to give monthly Directions for improving the Garden, therefore I will exhibit a few brief Rules, which will be proper to be observed in its Cultivating, by those Persons who delight in that Innocent Recreation.

#### *Of Soil.*

First, in manuring the Ground; let it be done with light, hollow Compost, as Dung well rotted, or the like; Soor from the Chimney is an extraordinary Compost, and if but sparingly scattered on the Earth, enriches it to a great degree: So also Urine is a most admirable Help for all Hungry and Barren Grounds; for the Saline Quality being united therewith, impregnates it to a miracle: For which reason I advise all Persons concerned in Tillage, to be careful of preserving it, which might be done by placing Tubs in convenient Corners about their Habitations, as is frequently done in *London Streets* by the Dyers; this, I say, being sparingly scattered on the Ground, or if cast on the Dunghill, hugely improves it: The Dung of Pigeons is also an excellent Compost for a Garden; and so is Ashes; for in either of these, the nitrous Quality being imbibed by the Earth, causes it to produce to a wonder: The Dung of Sheep is also a mean Compost, but to be greatly esteemed.

The only method in using these Composts, is, to scatter them on your new dig'd Beds in the beginning of the spring, and then with the Rake mingle it well with the Earth. But if you use a coarse Compost, as the Soil of Cattle, &c. then it ought to be laid in the Garden at the beginning of Winter, and dig'd in with the Earth; or otherwise laid on a Heap, that it may rot and be mellow, to be ready for use.

### *Some Observations in Gardening.*

Never lay Soil in a Heap on a rising Ground, (or as some call it, a Knowle) for by so doing, the hasty Rains washes away all the Saline Quality, and renders it of an insipid nature, and to a degree useless; therefore let Choice be made of some Concave, or other like place, for the laying of Dung, where none of the Moisture may drain from it.

It would be advantageous, if in all Cow-houses, and Stables, the Grips were so ordered that the Cattle's Urine were retained, and not permitted to run out, that the Soil might imbibe it, and by that means be preserved; 'tis easy for all to have it so, and I'll engage it will answer the Ends.

#### *Of Seeds.*

To recommend a Care in the Choice of your Seed, would be impertinent and lost Labour, since there are none but what are liable to be deceiv'd, the most knowing Gardener or Seeds-man may be imposed on in this particular; therefore in this case, you must depend on the Fidelity of the Person you deal with, and request Seeds of the last Year's Growth, for those only are to be relied on; 'tis true some Seeds are of a closer and more compacted nature than others, consequently retain their Virtues longer from being exhaled: however, as in time the Radical Virtues are exhaled and evaporated by an equal progression, till they are left dead and without Virtue, so it must necessarily follow, that the newer the Seeds are the better for use, let them be of any sort whatever.

#### *General Observations in Gardening.*

Let all Seeds be sown in a dry time, and not to be water'd till they come up pretty strong, then, if occasion be, water them in the Evenings.

In setting of Plants let it always be in moist Weather, or water them frequently; and if it be a choice Root, shade it a while from the Sun.

Pond or Ditch Water is most to be prefer'd; if Well Water, it ought to stand half a day in the Sun, or stir some Horse or Sheep's Dung in it.

If you remove Herbs or Flowers, be sure to take some Earth with the Roots.

In cutting of Herbs to preserve for Winter, let it be done in dry Weather, and dry them in the Shade, for the Sun will exhale their fine volatile parts.

*Next Year I intend to be more copious on this Subject.*



*An Historical Account of the Beginnings and Dissolutions of the several Parliaments of this Kingdom, since the Restauration of King Charles II. to this Year, and the Names of the Speakers of the House of Commons in each Parliament.*

1660. A Free Parliament (by the Means of General Monk) Convened at *Westminster*, April 25th, who agreed with the General, and Voted for bringing home the King that had been Twelve Years in Exile. Sir John Greenvil, Speaker.  
Dissolved, November 29. 1660.

1661. May 8th. A New Parliament met at *Westminster*,  
Sir Edward Turner, Speaker.

1673. Feb. 4th. The Parliament met, and Sir Edward Turner being made a Baron of the *Exchequer*, they choose  
Sir Job Charlton, Speaker.

Feb. 15th following, Sir Job Charlton being Indisposed in his Health, desires to be dismissed from being Speaker, and accordingly they choose  
Edward Seymour, Esq; Speaker.

Dissolved Jan. 25th. 1679. having continued 18 Years, this is called the late Long Parliament.

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Having sat six Days, they were Prorogued for Three Days Time.

Feb. 15th. They met again, and choose

Serjeant Gregory, Speaker.

Dissolved July 12th. 1679.

1680. October 22d. A Parliament began at *Westminster*, and Constituted  
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Dissolved January 18th. following 1681.

1681. March 21. A New Parliament met at *Oxford*, and again choose  
Will. Williams, Esq; Speaker.

Dissolved March 28th, 1681. having sat Eight Days.

King JAMES II.

1685. May 19th. A New Parliament at *Westminster*, who Elect  
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King JAMES II.

1685. May 19th. A New Parliament at *Westminster*, who Elect  
Sir *John Trevor*, Speaker.

Dissolved July 2. 1687.



## Prince of ORANGE.

1689. January 22d. Convention met at *Westminster*, and choose  
*Henry Powle, Esq;* Speaker.  
 February 23d. Enacted a Parliament, being Ten Days after the  
 Proclaiming the Prince and Princess, King and Queen.  
 Dissolved February 6th. 1690.
1690. March 20th. A New Parliament Conven'd at *Westminster*,  
 and Elect *Sir John Trevor*, Speaker.  
 In a Session beginning November 18th. 1694. It was Enacted  
 that a Period be put to this Parliament, and for the frequent  
 Meeting of others, it was Enacted a New Parliament should be  
 held every Three Years.
- March 15th. 1695. *Paul Foley Esq;* choose Speaker, in the  
 Room of *Sir John Trevor*.  
 Dissolved October 12th. 1695.
1695. November 22d. A New Parliament at *Westminster*, who  
 choose *Paul Foley Esq;* Speaker.  
 Dissolved July 7th. 1698.
1698. December 6th. A New Parliament met at *Westminster*  
 and Elect *Sir Tho. Littleton*, Speaker.  
 Dissolved December 19th. 1700.
1701. February 10th. A New Parliament began at *Westminster*  
 and choose *Robert Harley Esq;* Speaker.  
 Dissolved November 11th. 1701.
1701. December 30th. A New Parliament met at *Westminster*  
 and Elect *Robert Harley, Esq;* Speaker.

## Queen ANNE.

- Dissolved July 2d. 1702.
1702. October. 20th. A New Parliament met at *Westminster*, and  
 choose *Robert Harley, Esq;* Speaker.

## Advertisement.

**T**He Art of Patience and Balm of Gilead under all Affli-  
 ctions. With the Government of the Thoughts, Pre-  
 fatory to the Government of the Tongue.

The Vail turned aside, or Heresie Unmask'd against Soci-  
 nianism, Arrianism, &c. Being a Reply to the Moderate Trinita-  
 rian. By C. Cooper. Both Sold by *John Marshall* at the Table  
 in Grace-Church-street.

A TABLE of the Lord Mayors and Sheriffs of London  
from the Restauration of King Charles II. 1660. to the  
present Year 1703.

1660	Sir Thomas Allen, Knt.	Francis Warner, Will. Love, Esq;
1661	Sir Rich. Brown, Knt. Baron.	Sir Will. Bolton, Sir Will. Peak,
1662	Sir John Frederick, Knt.	Francis Menit, Sam. Starling, Esq;
1663	Sir John Robinson, Knt.	Sir Tho. Bludworth, Sir Will. Turner,
1664	Sir Anthony Bateman, Knt.	Sir Rich. Ford, Sir Rich. Reeves,
1665	Sir John Lawrence, Knt.	Sir Geo. Waterman, Sir Char. Doe.
1666	Sir Tho. Bludworth, Knt.	Sir Rob. Hanson, Sir Will. Hooker,
1667	Sir William Boulton, Knt.	Sir Rob. Viner, Sir Jos. Sheldon,
1668	Sir William Peak, Knt.	Sir Dennis Gauden, Sir Tho. Davies,
1669	Sir William Turner, Knt.	John Forth, Esq; Sir Fran. Chaplin,
1670	Sir Samuel Starling, Knt.	Sir J. Smith, Sir James Edwards.
1671	Sir Richard Ford, Knt.	Sam. Forth, Patience Ward, Esq;
1672	Sir George Waterman, Knt.	S. J. Dams, Sir R. Clayton, S. J. More,
1673	Sir Robert Hanson, Knt.	Sir Will. Pritchard, Sir Ja. Smith,
1674	Sir William Hooker, Knt.	Sir Hen. Tulse, Sir Robert Jeffery,
1675	Sir Robert Viner, Knt.	Sir Natb. Hern, Sir John Lethalier,
1676	Sir Joseph Sheldon, Knt.	Sir Tho. Gold, Sir John Shorter,
1677	Sir Thomas Davies, Knt.	Sir John Peak, Sir Tho. Stamp,
1678	Sir Francis Chaplin, Knt.	Sir Will. Rawstern, Sir Tho. Beckford,
1679	Sir James Edwards, Knt.	Richard How, John Chapman, Esq;
1680	Sir Robert Clayton, Knt.	Sir Jona. Raymond, Sir Sim. Lewis,
1681	Sir Patience Ward, Knt.	Slinsby Bethel, Henry Cornish, Esq;
1682	Sir John More, Knt.	Tho. Pilkinton, Sam. Shute, Esq;
1683	Sir William Pritchard, Knt.	Dudley North, Peter Rich, Esq;
1684	Sir Henry Tulse, Knt.	Peter Daniel, Sam. Dashwood, Esq;
1685	Sir James Smith, Knt.	Sir Will. Goslin, Sir Benj. Vandoput,
1686	Sir Robert Jefferies, Knt.	Sir Benj. Thorowgood, Sir Tho. Kensley,
1687	Sir John Peak, Knt.	Sir Tho. Rawlinson, Sir Tho. Forpals,
1688	Sir John Shorter, Knt.	Sir Basil Firebrass, Sir Jo. Parsons,
1689	Sir John Chapman, Knt.	Sir Humphrey Edwin, Sir John Fleet,
1690	Sir Thomas Pilkington, Knt.	Char. Lethalier, John Houlton, Esq;
1691	Sir Thomas Pilkington, Knt.	Sir Edward Clarke, Sir Fran. Child,
1692	Sir Thomas Stamp, Knt.	William Ashhurst, Rich. Levet, Esq;
1693	Sir John Fleet, Knt.	Sir Thomas Lane, Sir Thomas Cook,
1694	Sir William Ashhurst, Knt.	Tho. Abney, Will. Hedges, Esq;
1695	Sir Thomas Lane, Knt.	John Sweetapple, William Cole, Esq;
1696	Sir John Houlton, Knt.	Edw. Will, Owen Buckingham, Esq;
1697	Sir Edward Clark, Knt.	John Wolfe, Samuel Blewit, Esq;
1698	Sir Humphry Edwin, Knt.	Barth. Gracedieu, James Collit, Esq;
1699	Sir Francis Child, Knt.	Sir William Core, Sir Jos. Smart,
1700	Sir Richard Lever, Knt.	Char. Duncomb, Jeff. Jefferies, Esq;
1701	Sir Thomas Abney, Knt.	Rob. Beachcroft, Esq; Sir He. Furness,
1702	Sir William Gore, Knt.	W. Withers, P. Hoyers, Ja. Bateman, K
1703	Sir Samuel Dashwood, Knt.	S. Rob. Beddingfeild, S. Sa. Garrard, B

**The Names of the Lord Mayor, Aldermen and Sheriffs of the City of London, in the Year 1703 With the Particular Ward of the said City under the Jurisdiction of each Alderman.**

**Sir Samuel Dashwood, Knight, Lord Mayor, and Alderman of Aldgate Ward.**

<b>Sir Robert Clayton, Knight.</b>	<b>Cheap Ward.</b>
<b>Sir William Pritchard, Knight.</b>	<b>Broadstreet Ward.</b>
<b>Sir Robert Jeffery, Knight.</b>	<b>Cordwaynor Ward.</b>
<b>Sir Thomas Stamp, Knight.</b>	<b>Cripplegate, within and without.</b>
<b>Sir John Fleet, Knight.</b>	<b>Langborne Ward.</b>
<b>Sir William Ashhurst, Knight.</b>	<b>Billinggate Ward.</b>
<b>Sir Thomas Lane, Knight.</b>	<b>Candlewick Ward.</b>
<b>Sir John Houblon, Knight.</b>	<b>Cornhil Ward.</b>
<b>Sir Edward Clarke, Knight.</b>	<b>Breadstreet Ward.</b>
<b>Sir Humphrey Edw n, Knight.</b>	<b>Tower Ward.</b>
<b>Sir Francis Child, Knight.</b>	<b>Farringdon Ward, without.</b>
<b>Sir Richard Levet, Knight.</b>	<b>Bridge Ward, without.</b>
<b>Sir Thomas Abney, Knight.</b>	<b>Vintrey Ward.</b>
<b>Sir William Gore, Knight.</b>	<b>Coleman-street Ward.</b>
<b>Sir John Parsons, Knight.</b>	<b>Basishaw Ward.</b>
<b>Sir Joseph Smart, Knight.</b>	<b>Lime-street Ward.</b>
<b>Sir Thomas Cook, Knight.</b>	<b>Queen-hith Ward.</b>
<b>Sir Owen Buckingham, Knight.</b>	<b>Bishopsgate within and without.</b>
<b>Sir Thomas Rawlinson, Knight.</b>	<b>Castle Baynard Ward.</b>
<b>Sir Robert Beddingfield, Knight.</b>	<b>Dowgate Ward.</b>
<b>Sir William Withers, Knight.</b>	<b>Farringdon within.</b>
<b>Sir Charles Duncomb, Knight.</b>	<b>Bridge Ward within.</b>
<b>Sir Jeffery Jeffery, Knight.</b>	<b>Portsoaken Ward.</b>
<b>Sir Samuel Garrard, Baronet.</b>	<b>Aldersgate Wa. within &amp; without.</b>
<b>Sir Gilbert Heathcot, Knight.</b>	<b>Walbrook Ward.</b>

**Sir Robert Beddingfield } Sheriffs.  
Sir Samuel Garrard, Bar. }**

**Advertisement.**

**T**HE Engine and Glasses for the new way of Cupping, performing it effectually without Fire, Lamp or Mouth Suction. Likewise a Scarricator which at once makes nine Incisions after a new and most exquisite Manner. Also an Engine which serves as an Air pump for making Experiments in Vacuo. Sold only by **F. Hawks** in **Giltspur-street**, just without **Newgate** near **Pye-corner**.



# *Rates for Hackney Coaches in London, Setled by Parliament, by Stat. 5 and 6. W. & M.*

For 1 Day of 12 Hours	s. d.	10 0	From the Inns of Court	s. d.	1 0
For 1 Hour	1 6		or thereabouts, to the Roy-	1 0	
For every Hour after the first	1 0		al-Exchange.		
From any of the Inns of Court			From any of the Inns of		
to any part of St. James's, or	1 0		Court, to the Tower, Ald-	1 6	
City of Westminster, except			gate, Bishop's-gate-street, or		
beyond Tuttle-street.			thereabouts.		

And the same Rates back again, or to any Place of the like distance.  
And if any Coachman shall refuse to go at, or exact more for hire than  
the Rates hereby limited, he shall for every such Offence forfeit 40 s.

## *Rates of Water-Men, as they are set forth by the Lord Mayor and Aldermen of London.*

	Oars.	Scul.
	s. d. s. d.	
From London-Bridge to Lyme-house, New-Crane, Shadwel-	1 00	6
Dock, Bell Wharff, Ratcliff Crofs.		
To Wapping-Dock, Wapping New and Old Stairs, the		1
Hermitage, Rotherith Church-Stairs.	0 60	3
From St. Olaves, to Rotherith Church-Stairs, and Ro-		1
therith Stairs.	0 60	3
From Billingsgate and St. Olaves to St. Saviour's Mill.	0 60	3
All the Stairs between London-Bridge and Westminster.	0 60	3
From either side above London-Bridge to Lambeth and		1
Fox-hall.	1 00	6
From White-Hall to Lambeth and Fox-hall.	0 60	3
From Temple, Dorset, and Black-Fryars Stairs, or Paul's		1
Wharff to Lambeth.	0 80	4
Over the Water directly, between Fox-hall and Lime-		1
house.	0 40	2

## *The Rates for Oars.*

Down the River.		whole	Com-
		Fair.	pany.
		s. d. s. d.	s. d. s. d.
From London.	Gravesend	4 6	0 9
	Grays or Greenhith	4 0	0 8
	Purfleet or Erith	3 0	0 6
	Woolwich	2 6	0 4
	Blackwall	2 0	0 4
	Greenwich, Deptford	1 6	0 3

D

From

		whole		Com-	
		Fair		pany.	
		s.	d.	s.	d.
From London,	Up the River.				
	Chelsea, Battersea, Wanſworth	1	6	0	3
	Putney, Fulham, Barn-Elmes	2	0	0	4
	Hammerſmith, Chiſwick, Mortlock	2	6	0	6
	Brentford, Iſleworth, Richmond	3	6	0	6
	Twittenham	4	0	0	6
	Kingſton	5	0	0	9
	Hampton-Court	6	0	1	0
	Hampton-Town, Sunbury and Walton	7	0	1	0
	Weybridge, Cherſey	10	0	1	0
	Stains	12	0	1	0
	Windſor	24	0	1	0

*Rates for Carrying of Goods in the Tilt-Boat between Gravesend and London.*

A half Firkin	_____	s.
Whole Firkin	_____	0
Hogſhead	_____	2
1 C. Weight of Cheeſe, Iron, or any heavy Goods	_____	0
Sack of Salt or Corn, an Ordinary Cheſt, Trunk or Hamper	_____	0
Every ſingle Perſon in the Ordinary Paſſage	_____	0
The hire of the whole Tilt-Boat	_____	22

What Waterman takes and demands more than theſe Rates, liable to pay forty Shillings, and ſuffer half a Years Imprifonment.

And if he refuſe to carry any Paſſenger or Goods at theſe Rates upon Complaint made to the Lord Mayor and Court of Aldermen, he ſhall be ſuſpended from his Employ for Twelve Months.

*Directions for Paſſing and Re-paſſing on the Water and about London.*

Obſerve, That Below Bridge the Water ebbs 7 Hours and flows Above Bridge it ebbs 8 Hours and flows 4, according to the Watermen's Obſervations, who in their Converſation uſe theſe Terms.

If the Water is at loweſt, then it is call'd *Flood*; if riſing, the young or old *Flood*; when at higheſt and begins to fall, *Ebb Water*.

High-water is the Time at *Billingſgate* for all Paſſengers that bound for *Gravesend, Tilbury, Grays, &c.*

If to *Woolwich, Blackwall, Greenwich, &c.* any time till 1, 2, 3 Hours after High-water.

If to paſs far up the River, viz. *Kingſton, Hampton-Court, Windſor, &c.* then take Water at *Flood*, i. e. 4 hours before High-water.

To *Brentford, Putney, Richmond, or the like Diſtance, &c.* 2 hours before High-water.

To *Batterſea, Chelſea, Mortlock, &c.* at 1 or 2 hours before High-water.

The following *Tables of High-water* may be made  
useful to the Places hereafter Named (accord-  
ing to Mr. *Flamsteeds* Directions) by

Adding	h.	m.
For <i>Tinmouth Haven, Hartle-pool, and Amsterdam</i> —	0	30
<i>Brest</i> —	1	0
<i>Scilly</i> —	1	45
<i>Mounts-Bay</i> —	1	55
<i>Bridlington, Peer, Humber</i> —	2	0
<i>Fowey, Loo, Plimouth</i> —	3	13
<i>Dartmouth, Harborough, Hull</i> —	3	30
<i>Torbay, Tinnmouth</i> —	3	40
<i>Exmouth, Topsham, Lyme</i> —	3	50
<i>Weymouth</i> —	4	20
<i>Bridgwater, Texel</i> —	4	45
<i>Portland, Hartflew, without the Ulie</i> —	5	40

Subtract	h.	m.
For <i>Leigh, Mays and Gouries Gut</i> —	0	15
<i>Gravesend, Rochester, Rammekins</i> —	1	0
<i>Buoy of the Nore, Flushing</i> —	1	20
<i>Shore Beacon, Portsmouth, Red Sand, Ostend</i> —	2	30
<i>Spithead, Harwich, Dover, Calais</i> —	3	0
<i>Orfordness, Gunfleet, Shoreham, Diep</i> —	4	0
<i>Needles, Yarmouth Peer</i> —	4	40
<i>St. Helens, Havor de Grace</i> —	5	30

*Note*, That in such Places as lie open to the Sea, and where  
greater Rivers are, the Quarter Moon High-waters hold  
longer than the Time shewed by this Reduction, near half  
Hour.

As also that, when by Reason of long Draughts in Summer,  
continual hard Frosts in Winter, the fresh Waters are low,  
when the Wind blows hard at N. or N. W. the Tides  
may hold up longer in the River of *Thames* than the Times  
shewed in the Tables, but when the Wind is strong at W.  
or W. by S. or there are great Freshes, they hold not out so  
long, but the Difference is seldom above half an Hour,



**A Tide Table for the Year 1703.** Shewing the true Time  
 High Water at London-Bridge both Morning and Afternoon  
 Also the Equation of Time, noting what a well Regulated Clock  
 or Watch ought to differ (according to Mr. Flamsteed) from a true Sun-Dial.

☉ Denotes Sunday.

Month Days.	January.						Month Days.	February.						Month Days.	March.					
	High Water			Watch too fast.				High Water			Watch too fast.				High Water			Watch too fast.		
	Morn.		After.					Morn.		After.					Morn.		After.			
	H	M	H	M	M	S		H	M	H	M	M	S		H	M	H	M	M	S
1	8	41	9	16	8	53	1	10	41	11	20	14	49	1	9	18	9	56		
2	9	52	10	27	9	15	2	11	59			14	47	2	10	35	11	12		
☉	11	3	11	40	9	37	3	0	32	1	5	14	45	3	11	50				
4			0	17	9	59	4	1	34	2	2	14	42	4	0	20	0	49		
5	0	51	1	24	10	20	5	2	26	2	50	14	39	5	1	15	1	40		
6	1	56	2	27	10	41	6	3	7	3	24	14	38	6	2	5	2	29		
7	2	45	3	11	11	0	☉	3	38	3	52	14	29	☉	2	46	3	3		
8	3	28	3	45	11	18	8	4	7	4	23	14	24	8	3	17	3	31		
9	4	2	4	18	11	36	9	4	39	4	56	14	18	9	3	45	3	59		
☉	4	34	4	55	11	54	10	5	13	5	30	14	11	10	4	15	4	31		
11	5	12	5	30	12	10	11	5	51	6	12	14	3	11	4	47	5	4		
12	5	50	6	11	12	26	12	6	35	6	58	13	54	12	5	24	5	44		
13	6	33	6	55	12	41	13	7	24	7	51	13	45	13	6	7	6	31		
14	7	19	7	44	12	55	☉	8	23	8	54	13	30	☉	6	57	7	24		
15	8	11	8	39	13	9	15	9	28	10	1	13	26	15	7	56	8	28		
16	9	9	9	39	13	21	16	10	34	11	7	13	11	16	9	2	9	37		
☉	10	9	10	38	13	33	17	11	39			13	4	17	10	10	10	43		
18	11	10	11	42	13	43	18	0	11	0	39	12	53	18	11	15	11	47		
19			0	11	13	53	19	1	7	1	34	12	41	19			0	17		
20	0	40	1	7	14	3	20	2	1	2	24	12	28	20	0	46				
21	1	34	2	1	14	11	☉	3	48	3	5	12	15	☉	1	38	2	4		
22	2	28	2	48	14	18	22	3	22	3	38	12	1	22	2	29	2	49		
23	3	7	3	23	14	25	23	3	53	4	10	11	47	23	3	9	3	29		
☉	3	38	3	53	14	31	24	4	28	4	48	11	32	24	3	42	4	0		
25	4	8	4	26	14	36	26	5	8	5	31	11	16	25	4	17	4	40		
26	4	46	5	4	14	40	26	5	55	6	24	11	1	26	5	3	5	27		
27	5	23	5	46	14	43	27	6	54	7	28	10	46	27	5	52	6	23		
28	6	10	6	38	14	46	☉	8	2	8	40	10	30	☉	6	54	7	29		
29	7	6	7	37	14	47								29	8	4	8	41		
30	8	8	8	46	14	48								30	9	18	9	54		
☉	9	25	9	31	14	49								31	10	30	11	3		

Table for the Year 1703. Shewing the true Times of High Water at London-Bridge both Morning and Afternoon. the Equation of Time, noting what a well Regulated Clock-Watch ought to differ (according to Mr. Flamsteed) from a true Sun-Dial.

⊙ Denotes Sunday.

April.					Month Days.	May.					Month Days.	June.				
High Water		Wate. too				High Water		Wate. too				High Water		Wate. too		
Morn.	After.	M	M	S		Morn.	After	M	M	S		Morn.	After	M	M	S
33				53	1	11	58			4	9	1	0 26	0 50	1 8	
1	0 29			36	⊙	0	22	0 46		4	10	2	1 14	1 38	0 56	
54	1 18			20	3	1	8	1 30		4	12	3	2 2	2 26	0 43	
40	2 2			4	4	1	53	2 16		4	13	4	2 45	3 4	0 31	
23	2 42			11	5	2	35	2 53		4	12	5	3 20	3 35	0 19	
58	3 13			26	6	3	9	3 24		4	12	⊙	3 51	4 6	0 6	
27	3 41			41	7	3	39	3 54		4	11	7	4 25	4 44	0 F 7	
56	4 10			55	8	4	11	4 29		4	9	8	5 2	5 21	0 20	
29	4 47			9	⊙	4	48	5 8		4	7	9	5 42	6 4	0 33	
5	5 24			22	10	5	28	5 49		4	4	10	6 27	6 51	0 46	
47	6 11			35	11	6	13	6 38		4	1	11	7 17	7 43	0 58	
37	7 4			48	12	7	4	7 31		3	58	12	8 13	8 43	1 11	
33	8 3			0	13	8	2	8 33		3	53	⊙	9 16	9 50	1 24	
36	9 9			11	14	9	5	9 37		3	48	14	10 24	10 58	1 37	
42	10 16			22	15	10	6	10 35		3	43	15	11 34		1 50	
47	11 18			33	⊙	11	7	11 40		3	37	16	0 11	0 44	2 2	
48				43	17			0 10		3	31	17	1 16	1 49	2 14	
19	0 46			52	18	0	41	1 11		3	24	18	2 21	2 46	2 26	
13	1 40			3 1	19	1	41	2 11		3	17	19	3 11	3 31	2 38	
2	2 32			3 10	20	2	40	3 3		3	9	⊙	3 51	4 12	2 50	
2	3 20			3 18	21	3	25	3 49		3	0	21	4 32	4 52	3 2	
3	3 53			3 26	22	4	3	4 27		2	52	22	5 12	5 33	3 13	
4	4 12			3 33	⊙	4	50	5 13		2	43	23	5 54	6 18	3 25	
5	5 25			3 40	24	5	36	6 2		2	34	24	6 42	7 4	3 36	
5	6 21			3 46	25	6	29	6 56		2	24	25	7 27	7 54	3 46	
6	7 23			3 51	26	7	24	7 54		2	14	26	8 27	8 50	3 57	
7	8 28			3 55	27	8	24	8 51		2	4	⊙	9 19	9 49	4 7	
9	9 33			3 59	28	9	19	9 47		1	53	28	10 19	10 47	4 16	
10	10 36			4 3	29	10	15	10 42		1	42	29	11 15	11 42	4 25	
1	11 31			4 6	⊙	11	9	11 33		1	31	30		0 10	4 33	
					31			0 2		1	19					

**A Tide Table for the Year 1703. Shewing the true Times of High Water at London-Bridge both Morning and Afternoon**

Also the Equation of *Time*, noting what a well Regulated Clock or Watch ought to differ ( according to Mr. *Flamsteed* ) from a true Sun-Dial.

⊙ Denotes Sunday.

July.							August.							September.						
Month Days.	High Water		Warc.		Month Days.	High Water		Warc.		Month Days.	High Water		Warc.		Month Days.	High Water		Warc.		
	Morn.	After.	too Fast.	Morn.		After.	too Fast.	Morn.	After.		too Fast.	Morn.	After.	too Fast.		Morn.	After.	too Fast.		
																			H	M
1	0	36	1	2	4	41	⊙	1	54	2	19	4	32	1	2	59	3	15	3	4
2	1	29	1	55	4	49	2	2	39	2	59	4	23	2	3	30	3	45	4	4
3	2	19	2	42	4	57	3	3	15	3	31	4	13	3	4	0	4	16	4	4
⊙	2	59	3	16	5	4	4	3	46	4	0	4	2	4	4	36	4	56	4	4
5	3	32	3	48	5	10	5	4	16	4	32	3	51	⊙	5	18	5	40	5	5
6	4	4	4	19	5	16	6	4	50	5	9	3	40	6	6	8	6	36	5	2
7	4	37	4	55	5	22	7	5	29	5	50	3	27	7	7	10	7	43	5	4
8	5	12	5	30	5	27	⊙	6	16	6	43	3	14	8	8	22	9	2	6	2
9	5	52	6	14	5	31	9	7	13	7	44	3	1	9	9	41	10	21	6	2
10	6	39	7	4	5	35	10	8	19	8	55	2	45	10	10	59	11	37	6	4
⊙	7	33	8	3	5	38	11	9	37	10	20	2	34	11			0	8	7	4
12	8	38	9	14	5	41	12	11	38	11	40	2	20	⊙	0	39	1	6	7	4
13	9	51	10	28	5	43	13			0	14	2	5	13	1	33	1	59	7	4
14	11	7	11	46	5	45	14	0	49	1	18	1	50	14	2	24	2	42	8	8
15			0	22	5	46	⊙	1	46	2	13	1	34	15	3	0	3	16	8	2
16	0	58	1	31	5	46	16	2	40	2	58	1	17	16	3	30	3	44	8	4
17	2	4	2	31	5	45	17	3	16	3	32	1	0	17	3	58	4	15	9	9
⊙	2	57	3	16	5	44	18	3	48	4	3	0	43	18	4	31	4	49	9	2
19	3	34	3	50	5	43	19	4	17	4	34	0	26	⊙	5	6	5	26	9	2
20	4	6	4	25	5	41	20	4	52	5	10	0	9	20	5	46	6	11	10	4
21	4	44	5	1	5	39	21	5	28	5	49	0	59	21	6	35	7	4	10	2
22	5	18	5	38	5	36	⊙	6	10	6	34	0	27	22	7	30	8	1	10	4
23	5	58	6	21	5	32	23	6	58	7	25	0	46	23	8	33	9	7	11	4
24	6	44	7	7	5	28	24	7	54	8	25	1	5	24	9	41	10	12	11	4
⊙	7	31	7	59	5	23	25	8	55	9	34	1	24	25	10	44	11	16	11	4
26	8	28	8	58	5	1	26	10	6	10	38	1	44	⊙	11	49			11	4
27	9	28	10	0	5	11	27	11	11	11	42	2	3	27	0	15	0	41	12	4
28	10	32	11	4	5	5	28			0	13	2	22	28	1	6	1	31	12	4
29	11	36			4	58	⊙	0	40	1	7	2	42	29	1	56	2	21	12	4
30	0	5	0	34	4	50	30	1	32	1	57	3	3	30	2	40	2	59	12	4
31	1	1	1	28	4	41	31	2	19	2	42	3	23							



*Tide Table for the Year 1703. Shewing the true Time of High Water at London-Bridge both Morning and Afternoon.*

Also the Equation of *Time*, noting what a well Regulated Clock or Watch ought to differ (according to Mr. *Flamsteed*) from a true Sun-Dial.

☉ Denotes Sunday.

October.							November.							December.						
High Water.							High Water.							High Water.						
Morn.			After.			Wate. too Slow.	Morn.			After.			Wate. too Slow.	Morn.			After.			Wate. too Slow.
H	M	S	H	M	S		H	M	S	H	M	S		H	M	S	H	M	S	
1	3	22	3	45	13	11	1	4	24	4	47	15	27	1	4	55	5	18	5	45
2	3	57	4	8	13	25	2	5	11	5	36	15	17	2	5	43	6	8	5	20
3	4	30	4	52	13	39	3	6	5	6	35	15	8	3	6	35	7	3	4	50
4	5	15	5	38	13	53	4	7	6	7	38	14	58	4	7	29	7	56	4	23
5	6	12	6	41	14	5	5	8	10	8	43	14	47	5	8	25	8	54	3	54
6	7	15	7	49	14	17	6	9	16	9	49	14	35	6	9	24	9	54	3	25
7	8	27	9	5	14	28	☉	10	17	10	46	14	23	7	10	21	10	49	2	55
8	9	41	10	18	14	39	8	11	16	11	45	14	10	8	11	18	11	47	2	25
9	10	50	11	22	14	49	9			0	10	13	56	9			0	13	1	54
☉	11	52			14	59	10	0	34	0	57	13	41	10	0	38		2	1	25
11	0	21	0	47	15	9	11	1	20	1	45	13	25	11	1	25	1	49	0	56
12	1	12	1	35	15	18	12	2	6	2	27	13	8	☉	2	12	2	34	0	26
13	1	57	2	17	15	25	13	2	48	3	4	12	50	13	2	55	3	12	0	F 4
14	2	37	2	54	15	31	☉	3	20	3	35	12	33	14	3	28	3	42	0	34
15	3	11	3	26	15	37	15	3	51	4	7	12	14	15	3	56	4	14	1	4
16	3	40	3	55	15	43	16	4	24	4	43	11	55	16	4	31	4	47	1	34
☉	4	10	4	29	15	48	17	5	2	5	22	11	35	17	5	4	5	22	2	4
18	4	48	5	7	15	52	18	5	42	6	5	11	14	18	5	41	6	3	2	33
19	5	26	5	47	15	55	19	6	28	6	54	10	53	☉	6	25	6	49	3	2
20	6	9	6	35	15	57	20	7	20	7	47	10	31	20	7	12	7	38	3	31
21	7	1	7	32	15	59	☉	8	15	8	43	10	8	21	8	4	8	36	4	6
22	8	3	8	34	16	0	22	9	12	9	42	9	44	22	9	9	9	42	4	28
23	9	5	9	36	16	1	23	10	12	10	42	9	20	23	10	16	10	51	4	56
☉	10	7	10	37	16	0	24	11	12	11	45	8	55	24	11	27			5	23
25	11	7	11	37	15	58	25			0	18	8	30	25	0	3	0	38	5	50
26			0	7	15	56	26	0	48	1	18	8	4	☉	1	13	1	47	6	17
27	0	33	0	59	15	53	27	1	48	2	18	7	38	27	2	16	2	44	6	44
28	1	26	1	52	15	49	☉	2	43	3	7	7	12	28	3	6	3	27	7	10
29	2	17	2	42	15	44	29	3	28	3	48	6	45	29	3	45	4	3	7	36
30	3	12	3	21	15	38	30	4	10	4	38	6	17	30	4	24	4	45	8	0
☉	3	41	4	0	15	32								31	5	4	5	23	8	24

January 1703.

The Planets Geocentrick Motions.

Julian Acc.	M.D.	The Planets Latitudes.															
		{	I	2 A23	I A16	0 A13	0 A40	I A c									
			6	22	15	0 7	0 50	I 27									
			11	21	14	0 2	0 59	I 46									
			16	2 20	I 13	0 B 4	I 7	I 59									
		21	19	12	0 7	I 14	2 3										
		26	18	11	0 11	I 19	I 56										
☉	♈	♉	♊	Lat. D	♋	♌	♍	♎	♏	♐	♑	♒	♓				
1	21	43	14	17	4 B44	4	13	7	33	2	12	17	18	8	28	18	40
2	22	44	28	31	3 59	4	17	7	41	2	53	18	33	10	0	18	37
3	23	45	37	4	3 59	4	21	7	49	3	35	19	49	11	33	18	34
4	24	46	27	47	1 47	4	25	7	57	4	16	21	4	13	6	18	31
5	25	47	12	29	0 32	4	29	8	5	4	58	22	19	14	40	18	28
6	26	48	27	2	0 A45	4	34	8	14	5	39	23	34	16	14	18	24
7	27	49	11	17	1 57	4	38	8	22	6	20	24	49	17	49	18	21
8	28	50	25	16	3 2	4	42	8	31	7	1	26	5	19	24	18	18
9	29	51	8	53	3 58	4	47	8	40	7	42	27	20	21	0	18	14
10	30	52	22	6	4 40	4	52	8	50	8	24	28	35	22	37	18	11
11	1	53	4	41	5 6	4	56	8	59	9	5	29	50	24	14	18	8
12	2	54	17	6	5 17	5	1	9	9	9	47	1	6	25	51	18	5
13	3	55	29	17	5 12	5	6	9	19	10	28	2	21	27	29	18	2
14	4	56	11	8	15 4	5	11	9	29	11	10	3	36	29	8	17	59
15	5	57	23	7	4 19	5	16	9	40	11	52	4	52	0	48	17	56
16	6	58	4	11	3 34	5	21	9	50	12	33	6	7	2	28	17	52
17	7	59	16	45	2 40	5	26	10	0	13	15	7	22	4	9	17	49
18	9	0	28	45	1 40	5	31	10	11	13	56	8	38	5	51	17	46
19	10	1	11	10	0 36	5	36	10	21	14	38	9	53	7	33	17	43
20	11	2	23	29	0 B31	5	42	10	32	15	19	11	8	9	16	17	4
21	12	2	6	8	1 36	5	47	10	43	16	0	12	24	11	0	17	37
22	13	3	19	12	3 36	5	52	10	54	16	42	13	39	12	45	17	34
23	14	4	2	9	3 32	5	57	11	5	17	23	14	54	14	30	17	30
24	15	5	15	35	4 18	6	3	11	16	18	4	16	9	16	16	17	27
25	16	5	29	15	4 53	6	8	11	27	18	46	17	24	18	3	17	24
26	17	6	12	57	5 11	6	14	11	38	19	27	18	40	19	51	17	20
27	18	7	26	46	5 11	6	20	11	49	20	8	19	55	21	39	17	17
28	19	7	10	44	4 52	6	26	12	1	20	50	21	10	23	28	17	14
29	20	8	24	5	12 6	6	32	12	12	21	31	22	25	25	18	17	11
30	21	9	9	33	14 6	6	38	12	23	22	12	23	41	27	8	17	8
31	22	9	23	15	2 6	6	44	12	34	22	53	24	56	28	59	17	5

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Gre. Acc. H

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# January 1703.

the Planets Heliocentrick places, or their Motions about the ☉.	D.	h	♈	♊	♉	♈	♊
1	9	58	18	39	11	21	21
6	10	8	19	6	14	9	26
11	10	18	19	33	16	56	19
16	10	28	20	1	19	41	6
21	10	39	20	28	22	26	12
26	10	49	20	55	25	10	17

Gre. Acc.	Heliocentrick Aspects	The Lunar Aspects.						Mutual Aspects at the Earth.
		☉	h Occi	♈ Occi	♊ Occi	♉ Ori	♈ Ori	
12	Circumf. (Δ♈♀.Δ♈♂)	*13	Δ10	Δ15	Δ8	*6		♀ Aph. ) Per.
15	Δ♈♀.	♂24	□11	□17	□11	♂18	♂4	♂ h♂.
17	Epiha. □♈♀.	*13	*19	*15				☉ Eclips. Invis.
18								
19								
20								
22		*18	♂0	♂8	♂9	*14	*1	♂♈♂.
23	□♈♀.						□20	
24		□10					□7	♂♂4h.
25								*♂h.
26	□♈♀.Δ♈♂.						Δ18	♀ Aph.*h♀.
27		Δ5	*1	*10	*15	Δ3		) Apogæon
28			□13	□23				*h♀.
29								
30	Δh♂.*h♀.				□7			*♂♈.*h♀.
31	♂♂♀.	♂12	Δ23	Δ9	Δ19	♂13	♂11	♂♂♀.
1								*h♀.
2	♂♂♀.*h♀.							♂♂♀.
3	♂♂♀.						Occi	♂♀♀.
4	*h♀.							*♂♀.
5	Conv. St. Paul.		♂12	♂22				*♂♀.
6	*h♀.□♈♂	Δ8			♂12	Δ11	Δ14	*♂♀.
7								
8		□15				□19		) Perigæon
9	(□♈♀.		Δ20				□1	
10	K. Char. Mur.*22			Δ6	Δ23			
11	Δ♈♂.		□23			*3	*11	



February 1703.

The Planets Geocentrick Motions.

Julian Acc.	M.D.	The Planets Latitudes.																								
		☉	♈	♉	♊	Lat	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	
	1	23	10	7	20	0	B	1	6	51	12	46	23	34	26	11	0	50	17	2						
	2	24	10	21	41	0	A	25	6	57	12	57	24	15	27	26	2	41	16	58						
	3	25	11	5	54	1		38	7	3	13	9	24	57	23	41	4	33	16	55						
	4	26	11	19	51	2		43	7	10	13	20	25	38	29	56	6	24	16	52						
	5	27	12	3	32	3		39	7	16	13	32	26	19	1	11	8	15	16	49						
	6	28	12	16	52	4		22	7	22	13	44	27	0	2	26	10	5	16	46						
	7	29	13	29	58	4		52	7	28	13	56	27	41	3	41	11	54	16	43						
	8	30	13	12	42	5		7	7	35	14	9	28	22	4	56	13	41	16	39						
	9	1	13	25	7	5		9	7	41	14	21	29	3	6	11	15	26	16	36						
	10	2	14	7	12	4		55	7	48	14	34	29	44	7	26	17	9	16	33						
	11	3	14	19	8	4		26	7	55	14	46	0	25	8	41	18	49	16	30						
	12	4	14	1	0	3		47	8	2	14	59	1	6	9	56	20	24	16	27						
	13	5	14	12	50	2		56	8	8	15	11	1	47	11	11	21	56	16	23						
	14	6	15	24	45	1		56	8	15	15	24	2	28	12	26	23	25	16	20						
	15	7	15	6	47	0		51	8	22	15	37	3	9	13	41	24	49	16	17						
	16	8	15	18	53	0		B	8	29	15	50	3	50	14	56	26	7	16	14						
	17	9	15	1	27	1		20	8	36	16	3	4	31	16	11	27	18	16	11						
	18	10	15	14	23	2		24	8	43	16	17	5	12	17	26	28	22	16	8						
	19	11	15	27	39	3		19	8	50	16	30	5	53	18	41	29	19	16	4						
	20	12	15	1	1	4		6	8	57	16	43	6	34	19	56	0	9	16	1						
	21	13	15	24	54	4		41	9	4	16	56	7	14	21	11	0	51	15	58						
	22	14	15	8	55	5		1	9	11	17	10	7	55	22	26	1	24	15	55						
	23	15	15	23	11	5		4	9	18	17	23	8	36	23	41	1	48	15	52						
	24	16	15	7	30	4		49	9	26	17	36	9	17	24	56	2	3	15	48						
	25	17	15	21	44	4		15	9	33	17	49	9	58	26	10	2	9	15	45						
	26	18	15	5	55	3		22	9	40	18	3	10	38	27	25	2	3	15	42						
	27	19	14	20	2	2		17	9	48	18	16	11	19	28	40	1	53	15	39						
	28	20	14	4	6	1		3	9	55	18	29	12	0	29	55	1	32	15	36						

# February 1703.

The Planets Heliocentrick Places, or their Motions about the ☉.	D.	♈	♉	♊	♋	♌	♍	♎	♏
1	11	21	21	21	21	21	21	21	21
6	12	21	21	21	21	21	21	21	21
11	22	22	23	3	39	3	14	16	11
16	11	3	22	51	6	16	8	15	24
21	43	23	18	8	51	13	15	2	18
26	53	23	4	11	25	18	15	10	2

## The Lunar Aspects.

Jul. Ac.	Gre. Ac.	Heliocentrick Aspects.	☉	♈	♉	♊	♋	♌	♍	♎	♏	Mutual Aspects at the Earth.
1	12											
2	13	Pu.V.M*♂♀										*☉♂.
3	14											
4	15		♂12									
5	16	♂♂♀.										
6	17											
7	18	♂♂♀.		♂14								
8	19	♂♂♀.			♂3							
9	20		*13			♂8						
10	21	Cinerum.										
11	22	♂♂♀.*♂♀.										
12	23		♂7	*14								
13	24											
14	25	♂♂♀.♂♂♀.	♂1	♂3	♂18							
15	26	*♂♀.										
16	27											
17	28	*♂♀.♂♂♀.		♂13								
18	1											
19	2											
20	3	♂♂♀.*♂♀.	♂2									
21	4											
22	5	♂♂♀.		♂0	♂14							
23	6	(♂♂♀.										
24	7	St. Matthias	♂16									
25	8	♂♂♀.*♂♀.	♂23	♂6	♂21							
26	9											
27	10	*♂♂.♂♂♀.										
28	11	(♂♂♀.♂♂♀.		♂10								

Mutual Aspects at the Earth.

\*☉♂.

♂♂14h.

♂ Apogæon.

♂ Perihelion.

♂ Elong. Max.

♂ Perigæon.

March 1703.

## The Planets Geocentrick Motions.

Julian Acc.	The Planets Latitudes.										The Planets Longitudes.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	☉	☿	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂



# March 1703.

The Planets Heliocentrick Places, or their Motions about the ☉.	D.	♈	♉	♊	♋	♌	♍	♎	♏
1	12	♈	0	2	♈	3	12	♊	57
6		10	24	30	15	29	26	12	22
11		20	24	57	18	0	1	9	0
16	12	31	25	25	20	30	6	6	8
21		41	25	52	22	53	11	1	16
26		51	26	19	25	25	15	56	24
									51
									23
									40

		The Lunar Aspects.						Mutual Aspects at the Earth.
Jul. Ac.	Gre. Ac.	Heliocentrick Aspects.	☉	♈ Occi	♉ Occi	♊ Occi	♋ Occi	
1	12		* 0		☐ 1		* 22	♈ ♉ ♊.
2	13			* 15		☐ 21	* 1	
3	14				* 7			
4	15	☐ ♈ ♉.						
5	16					* 6		
6	17	♈ ☉ ♉.	♈ 2				♈ 3	♈ ☉ ♉ Rx.
7	18	♈ ♉ ♊.		♈ 5	♈ 23		♈ 1	Orie
8	19							
9	20							♈ ♈ ♉.
10	21					♈ 8	* 16	
11	22	♈ ♈ ♉.	* 9				* 13	☾ Apogæon.
12	23			* 5				
13	24	♈ ♈ ♉.			* 2		☐ 1	* ♈ ♉.
14	25	♈ ♉ ♊.	☐ 3	☐ 19				
15	26				☐ 15	* 15	☐ 8	♈ 11
16	27		♈ 19					
17	28			♈ 5			♈ 24	
18	29				♈ 1	☐ 3		♈ ♈ ♉.
19	30							
20	31					♈ 11	♈ 23	
21			♈ 13	♈ 15				☾ ♈ ♈ 1 h.
22		♈ ♈ ♉.			♈ 9		♈ 16	
23		♈ ♈ ☉.		Orie				♈ ☉ ♈.
24					♈ 18		♈ 4	
25	5	Anun. Bl. Virg.	♈ 23	♈ 19				☾ Perigæon.
26	6				♈ 14		☐ 7	
27				☐ 2			♈ 5	
28		Pascha. * ♈ ♉.	☐ 6		☐ 18			
29	9					♈ 5	☐ 14	* 12
30	10		* 15	* 3				
31	11	♈ ♈ ♉.			* 0	☐ 14		☾ Aphelion.

April 1703.

The Planets Geocentrick Motions.

Julian Acc.   M.D.	The Planets Latitudes.															
	{	I	2 A 14	I A 2	o B 52	o A 15	2 A o									
		6	15		2 o 54	o 4	2 30									
		11	15		2 o 56	o B 7	2 44									
		16	2 15	I 2	o 58	o 24	2 45									
21	16	2 I	o 0	o 37	2 31											
26	16	2 I	I 1	o 50	2 4											
☉	☿	♄	♃	Lat. ♄	♅	♆	♁	♂	♂	♂	♂	♂				
1	21	48	8 36	4 A 11	13	56	26	1	3	23	9	29	24	34	13	54
2	22	47	21 34	4 40	14	4	26	15	4	3	10	43	25	27		51
3	23	46	4 23	4 58	14	11	26	29	4	43	11	57	26	23		48
☉	24	44	16 51	4 59	14	18	26	44	5	22	13	11	27	21		45
5	25	43	29 11	4 49	14	26	26	58	6	2	14	25	28	22		41
6	26	41	11 8	4 26	14	33	27	12	6	41	15	39	29	26		38
7	27	40	23 20	3 53	14	41	27	27	7	21	16	52	o 33			35
8	28	38	5 17	3 10	14	48	27	41	8	0	18	6	1 42			32
9	29	37	17 9	2 18	14	56	27	55	8	40	19	19	2 54			29
10	30	35	28 57	1 17	15	3	28	10	9	19	20	33	4 9			26
☉	1	33	10 46	0 15	15	11	28	24	9	59	21	46	5 26	13	22	
12	2	31	22 47	0 B 52	15	18	28	39	10	38	22	59	6 44		19	
13	3	30	5 3	1 58	15	26	28	53	11	17	24	13	8 4		16	
14	4	28	17 34	2 59	15	33	29	8	11	57	25	26	9 26		13	
15	5	26	5 26	3 51	15	41	29	22	12	36	26	39	10 50		10	
16	6	24	13 36	4 30	15	48	29	37	13	16	27	52	12 16		6	
17	7	23	27 23	4 56	15	55	29	51	13	55	29	5	13 45		3	
☉	8	21	11 40	5 4	16	2	30	5	14	35	o 18	15	16		0	
19	9	19	26 16	4 53	16	9	30	20	15	14	1	32	16 49	12	57	
20	10	17	11 7	4 16	16	16	30	34	15	54	2 45	18 23	12 54			
21	11	15	26 9	3 16	16	23	30	48	16	33	3 58	19 59		51		
22	12	13	11 14	2 39	16	30	31	3	17	12	5 11	21 37		47		
23	13	11	26 12	1 27	16	37	31	17	17	51	6 24	23 18		54		
24	14	9	10 53	0 10	16	44	31	31	18	31	7 37	25 1		41		
☉	15	7	25 21	1 A 8	16	51	31	46	19	10	8 50	26 46		38		
26	16	5	8 56	2 21	16	58	31	0	19	49	10 4	28 33	12	35		
27	17	3	22 20	3 24	17	5	32	14	20	28	11 17	o 22		32		
28	18	1	5 44	4 14	17	12	32	28	21	7	12 30	2 13		28		
29	18	59	18 39	1 47	17	19	32	42	21	46	13 43	4 6		25		
30	19	57	1 15	5 4	17	26	32	56	22	25	14 56	6 0		22		

April 1703.

	D.	♈	♉	♊	♋	♌	♍
The Planets Heli-							
ocentrick pla-	1	13	5	26	53	28	11
ces, or their	6	15	27	2	0	5	4
Motions about	11	25	27	47	3	10	1
the ☉.	16	13	36	28	15	5	33
	21		46	28	42	7	55
	26		56	29	c	10	16

Jul. Acc.		Gre. Acc.	Heliocentrick Aspects	The Lunar Aspects.						Mutual Aspects at the Earth.
				☉	♄	♃	♂	♀	♀	
				Orie	Occi	Occi	Occi	Occi	Orie	
1	12							* 2		
2	13								♂ 8	
3	14			♂ 19		* 1				
4	15	♂ 17		♂ 20						♀ Elong Max.
5	16		♂ 17		♂ 20					
6	17		* 19	Orie	♂ 6			♂ 10		♀ ♀ ch. ♂ ♂
7	18		* 19	* 22						♂ Apogæon
8	19									
9	20									
10	21		* 4						♂ 12	
11	22	♂ 17	♂ 17	♂ 17						
12	23		♂ 17	♂ 17						
13	24			♂ 17						
14	25			♂ 17						
15	26			♂ 17						
16	27			♂ 17						
17	28			♂ 17						
18	29			♂ 17						
19	30			♂ 17						
20	1			♂ 17						
21	2			♂ 17						
22	3			♂ 17						
23	4			♂ 17						
24	5			♂ 17						
25	6			♂ 17						
26	7			♂ 17						
27	8			♂ 17						
28	9			♂ 17						
29	10			♂ 17						
30	11			♂ 17						

May 1703.

The Planets Geocentrick Motions.

Julian Acc.   M.D.	The Planets Latitudes.											
	<div> <div> 1 6 11 16 21 26 </div> <div> 2 17 18 19 20 21 </div> <div> A 17 18 19 20 21 </div> <div> 1 2 2 2 2 </div> <div> A 2 2 2 2 2 </div> <div> 1 2 2 2 2 </div> <div> B 2 3 4 5 6 7 </div> <div> 1 14 24 33 41 47 </div> <div> B 2 3 4 5 6 7 </div> <div> 1 14 24 33 41 47 </div> <div> A 25 37 B15 3 40 59 </div> </div>											
	☉	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒
	1	20	54	13	43	5	A	7	17	33	3	10
	2	21	52	26	3	4	53	17	39	3	24	23
	3	22	50	8	♈	10	4	30	17	46	3	38
4	23	48	20	6	3	56	17	53	3	52	25	1
	5	24	46	1	♐	59	3	14	17	59	4	6
6	25	43	13	4	2	23	18	6	4	20	26	19
	7	26	41	25	37	1	25	18	12	4	34	26
8	27	39	7	♐	31	0	24	18	19	4	48	27
	28	36	19	27	0	B	40	18	25	5	1	23
10	29	34	1	♑	24	1	45	18	31	5	15	23
	11	0	♐	31	13	34	2	46	18	38	5	29
12	1	29	26	3	3	42	18	44	5	42	0	♐
	13	2	27	8	♒	52	4	27	18	50	5	56
14	3	24	22	6	4	58	18	56	6	9	1	30
	15	4	22	5	♑	35	5	11	19	2	6	23
17	5	19	19	44	5	6	19	8	6	36	2	48
	17	6	17	4	♒	21	4	44	19	14	6	49
18	7	14	19	21	3	58	19	20	7	3	4	5
	19	8	12	4	♑	30	3	0	19	26	7	16
20	9	9	19	43	1	51	19	32	7	29	5	23
	21	10	6	4	♒	53	0	34	19	38	7	42
22	11	4	19	56	0	A	47	19	44	7	56	6
	22	1	4	♑	25	2	2	19	50	8	9	7
24	12	55	18	27	3	11	19	55	8	22	7	57
	25	13	56	2	♒	9	4	7	20	1	8	35
26	14	53	15	22	4	47	20	6	8	48	9	14
	27	15	51	28	15	5	9	20	12	9	1	9
28	16	48	10	♒	52	5	15	20	17	9	14	10
	29	17	45	23	25	5	20	22	9	27	11	10
31	18	43	5	♑	6	4	40	20	27	9	39	11
	31	19	40	17	8	4	6	20	32	9	52	12



May 1703.

The Planets Heliocentrick places, or their Motions about the ☉.	D.	♈	♉	♊	♋	♌	♍
1	14	7	29	37	12	37	20
6		17	0	8	4	14	56
11		28	0	31	17	15	0
16	14	38	0	59	19	33	5
21		48	1	26	21	59	10
26		59	1	53	24	6	14

Gre. Acc.	Heliocentrick Aspects	The Lunar Aspects.					Mutual Aspects at the Earth.
		☉	♈	♉	♊	♋	
12	St. Phil. & Jam.		♈ 8		* 19	* 5	
12				♈ 15			* ♈ ♉.
14	(☐ ♈ ♉.)					♈ 9	
15	☐ ♈ ♉. ☐ ♈ ♉.	♈ 8					
16	☐ ♈ ♉.						
17	Ascen. Dom.		* 9			♈ 19	☽ Apogæon
18	☐ ♈ ♉.			* 18	♈ 3		
19	☐ ♈ ♉.		☐ 22				♀ Perihel.
20		* 20				* 12	♀ ☽ 13 h.
21	* ♈ ♉.			☐ 8			
22			Δ 10				
23	☐ ♈ ♉.	☐ 11		Δ 18	* 8	* 7	☐ 11
24							Occi
25	Δ ♈ ♉. * ♈ ♉.	Δ 22			☐ 18	☐ 19	☐ 19
26	* ♈ ♉.		♈ 23			Δ 4	♀ Perihelion.
28	Pentecost.				Δ 22		
29	* ♈ ♉.			♈ 4		Δ 2	
30							* ♈ ♉.
31	☐ ♈ ♉.	♈ 6	Δ 24			♈ 22	
1	☐ ♈ ♉.		☐ 24	Δ 5	♈ 2	♈ 9	* ♈ ♉.
2							☽ Perigæon
3	☐ ♈ ♉.						
4	Δ ♈ ♉. Δ ♈ ♉.	Δ 14		☐ 6			
5			* 3			Δ 17	
6	Δ ♈ ♉.	☐ 23		* 12	Δ 12		* ♈ ♉.
7	Δ ♈ ♉.				Δ 2		
8					☐ 23	☐ 9	
9	Δ ♈ ♉.	* 13	♈ 19			☐ 17	
10	Char. II. Resta.			♈ 9	* 13	* 6	☐ ♈ ♉.
11	☐ ♈ ♉.						* ♈ ♉. E

June 1703.

The Planets Geocentrick Motions.

Julian Acc.	The Planets Latitudes.											
	<div> <div> <div>1</div> <div>2</div> <div>A</div> <div>22</div> </div> <div> <div>1</div> <div>A</div> <div>3</div> </div> <div> <div>1</div> <div>B</div> <div>7</div> </div> <div> <div>1</div> <div>B</div> <div>51</div> </div> <div> <div>1</div> <div>B</div> <div>58</div> </div> </div>											
	<div> <div>6</div> <div>23</div> <div>3</div> <div>7</div> <div>1</div> <div>52</div> <div>1</div> <div>37</div> </div>											
	<div> <div>11</div> <div>24</div> <div>3</div> <div>8</div> <div>1</div> <div>52</div> <div>1</div> <div>1</div> </div>											
	<div> <div>16</div> <div>2</div> <div>25</div> <div>1</div> <div>4</div> <div>1</div> <div>8</div> <div>1</div> <div>50</div> <div>0</div> <div>11</div> </div>											
M.D.	<div> <div>21</div> <div>26</div> <div>4</div> <div>9</div> <div>1</div> <div>46</div> <div>0</div> <div>A</div> <div>53</div> </div>											
	<div> <div>26</div> <div>27</div> <div>5</div> <div>9</div> <div>1</div> <div>39</div> <div>1</div> <div>59</div> </div>											
	☉	♂	♂	♂	Lat	♂	♂	♂	♂	♂	♂	♂
1	20	37	29	3	A20	0	37	10	5	13	523	25
2	21	35	10	II	51	2	29	20	42	10	17	13
3	22	32	22	38	1	33	20	47	10	30	14	22
4	23	29	4	27	0	32	20	52	10	42	15	1
5	24	26	16	19	0	B	1	20	56	10	55	15
6	25	24	28	21	1	24	21	1	11	7	16	18
7	26	21	10	33	2	35	21	5	11	19	16	56
8	27	18	22	51	3	30	21	10	11	31	17	35
9	28	15	1	18	4	18	21	14	11	43	18	13
10	29	13	18	54	54	21	19	11	55	18	52	4
11	0	10	1	16	5	14	21	23	12	7	19	30
12	1	7	14	49	5	16	21	27	12	18	20	8
13	2	4	28	43	4	58	21	31	12	30	20	47
14	3	1	13	m	14	20	21	35	12	41	21	25
15	3	59	27	45	3	25	21	39	12	53	22	3
16	4	56	12	50	2	18	21	43	13	4	22	42
17	5	53	27	58	1	1	21	47	13	16	23	20
18	6	50	13	wp	9	A	18	21	50	13	27	23
19	7	48	28	8	1	35	21	54	13	38	24	37
20	8	45	12	52	2	50	21	57	13	49	25	16
21	9	42	27	13	3	49	23	1	14	0	25	54
22	10	39	10	57	4	36	22	4	14	10	26	32
23	11	36	24	14	5	5	22	7	14	21	27	10
24	12	34	7	9	5	18	22	10	14	31	27	49
25	13	31	19	37	5	13	22	13	14	42	28	27
26	14	28	1	59	4	52	22	16	14	52	29	5
27	15	25	13	59	4	18	22	19	15	3	29	43
28	16	23	25	49	3	33	22	22	15	13	0	22
29	17	20	7	41	2	41	22	25	15	23	1	0
30	18	17	19	34	1	41	22	27	15	33	1	38

The Planets  
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June 1703.

The Planets Heli-  
ocentrick pla-  
ces, or their  
Motions about  
the ☉.

D.	h	z	♂	Θ	♀	♀
1	15	12	28	26	20	20
6	22	2	53	29	5	25
11	33	3	20	19	20	41
16	15	43	3	48	3	46
21		54	4	15	5	48
26	16	4	4	42	8	14

## The Lunar Aspects.

Gre. Acc.		Helio centrick Aspects	The Lunar Aspects.					Mutual Aspects at the Earth.
			☉ Oriē	♄ Oriē	♂ Occi	♀ Occi	♀ Occi	
10 48	12	☐☉♀.	♂ <sub>24</sub>	* <sub>20</sub>				*☉♄. ☽ Apogæon
10 37	13							♂♂♀.
3 38	14	*♂♀.						
3 41	15			* <sub>13</sub>	♂ <sub>23</sub>			
2 50	16		☐ <sub>9</sub>			♂ <sub>2</sub>	♂ <sub>2</sub>	
2 51	17							
2 52	18			Δ <sub>21</sub>	☐ <sub>2</sub>			
10 13	19	♂♄♀.	* <sub>9</sub>					☐♄♀.
1 59	20			Δ <sub>12</sub>				
1 59	21		☐ <sub>22</sub>		* <sub>2</sub>		* <sub>12</sub>	
12 21	22	St. Barnabas.				* <sub>8</sub>		
9 58	23	*♂♀.☐☉♀.	♂ <sub>12</sub>		☐ <sub>10</sub>		☐ <sub>22</sub>	
9 58	24	♂♄♀.☐♂♀.	Δ <sub>6</sub>	♂ <sub>23</sub>		☐ <sub>16</sub>		☐♄♂.
9 58	25	(*☉♀.			Δ <sub>14</sub>			☽ Perigæon
5 38	26	Δ☉♄.				Δ <sub>21</sub>	Δ <sub>3</sub>	♀ Elong Max.
4 58	27	☐♄♂.		Δ <sub>14</sub>				☽ oh.
4 58	28	☽ Eclipsed vis.	♂ <sub>13</sub>					☉ Aph.☐♄♀
4 58	29		☐ <sub>14</sub>	Δ <sub>0</sub>	♂ <sub>18</sub>			
4 58	30					♂ <sub>9</sub>		
3 38	1			* <sub>15</sub>	☐ <sub>2</sub>	♂ <sub>5</sub>		
3 38	2	♂♄♀.	Δ <sub>23</sub>					
3 38	3				* <sub>6</sub>			
9 27	4				Δ <sub>6</sub>		Δ <sub>23</sub>	
2 45	5	St. John Baptift.	☐ <sub>11</sub>					
2 45	6			♂ <sub>5</sub>		☐ <sub>18</sub>	Δ <sub>4</sub>	Δ♄♀.
1 58	7	Δ♂♀.					☐ <sub>11</sub>	*☉♄.
1 58	8		* <sub>3</sub>	♂ <sub>2</sub>		☐ <sub>23</sub>		♀ Aphelion
1 58	9	☐♄☉.Δ♄♀.			* <sub>10</sub>			
1 58	10	St. Pet. & Paul.					* <sub>0</sub>	☽ Apogæon
8 30	11			* <sub>6</sub>		* <sub>18</sub>		E <sub>2</sub>

July 1703.

The Planets Geocentrick Motions.

Julian Acc.	The Planets Latitudes.																			
M.D.	☉	♄	♃	♅	Lat	♁	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
1	19	14	1	26	♂ A 40	22	30	15	43	2	16	28	37	7	46	9	9	9	9	9
2	20	11	13	22	♂ B 23	22	32	15	53	2	55	29	46	7	39	9	2	2	2	2
3	21	9	25	23	1	25	22	34	16	3	33	♂ 55	7	27	3	5	5	5	5	5
4	22	6	7	30	2	24	22	36	16	13	4	11	2	4	7	11	3	3	3	3
5	23	3	19	53	3	20	22	38	16	22	4	49	3	13	6	50	5	5	5	5
6	24	1	2	29	4	7	22	40	16	31	5	28	4	22	6	25	4	4	4	4
7	24	58	15	12	4	47	22	42	16	40	6	6	5	31	5	56	4	4	4	4
8	25	55	28	7	5	8	22	44	16	49	6	44	6	39	5	23	4	4	4	4
9	26	53	11	17	5	17	22	46	16	58	7	22	7	48	4	47	3	3	3	3
10	27	50	24	47	5	6	22	48	17	7	8	1	8	57	4	9	3	3	3	3
11	28	47	8	34	4	34	22	49	17	15	8	39	10	5	3	29	3	3	3	3
12	29	45	22	43	3	45	22	51	17	24	9	17	11	13	2	47	3	3	3	3
13	30	42	7	7	2	43	22	52	17	32	9	55	12	21	2	4	2	2	2	2
14	1	39	21	38	1	29	22	53	17	40	10	33	13	29	1	20	2	2	2	2
15	2	37	6	32	0	9	22	54	17	48	11	11	14	37	0	37	2	2	2	2
16	3	34	21	28	1 A 8	22	55	17	56	11	49	15	44	29	56	1	1	1	1	1
17	4	31	6	19	2	21	22	56	18	4	12	28	16	52	29	17	1	1	1	1
18	5	29	20	52	3	24	22	57	18	11	13	6	17	50	28	42	1	1	1	1
19	6	26	5	8	4	15	22	58	18	18	13	44	19	6	28	12	1	1	1	1
20	7	24	19	4	4	51	22	58	18	25	14	22	20	13	27	45	1	1	1	1
21	8	21	2	27	3	10	22	59	18	31	15	0	21	20	27	23	1	1	1	1
22	9	19	15	29	5	12	22	59	18	38	15	38	22	23	27	6	7	7	7	7
23	10	16	27	59	4	58	22	59	18	45	16	16	23	33	26	55	7	7	7	7
24	11	14	10	8	4	28	22	59	18	52	16	55	24	40	26	50	7	7	7	7
25	12	11	22	21	3	46	22	59	18	58	17	33	25	46	26	51	7	7	7	7
26	13	9	4	11	2	54	22	59	19	5	18	11	26	53	26	59	7	7	7	7
27	14	7	15	5	1	55	22	59	19	12	18	40	27	59	27	1	7	7	7	7
28	15	4	27	52	0	51	22	59	19	18	19	27	29	5	27	30	7	7	7	7
29	16	2	9	47	♂ B 11	22	59	19	25	20	6	0	11	28	8	3	7	7	7	7
30	16	59	21	55	1	15	22	59	19	31	20	44	1	17	28	45	7	7	7	7
31	17	57	4	5	2	15	22	58	19	37	21	22	2	23	29	28	7	7	7	7

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Gre. Acc. 12  
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July 1703.

the Planets Heliocentrick Places, or their Motions about the ☉.

D	h	ψ	♂	☉	♀	♂
1	16 15	5 10	10 14	19 14	1 54	23 31
6	25	5 37	12 27	24 1	9 54	7 38
11	16 36	6 4	14 39	28 47	17 53	22 31
16	47	6 31	16 51	3 34	25 49	8 46
21	16 57	6 58	19 3	8 21	3 48	27 5
26	17 8	7 25	21 15	13 9	11 44	18 14

Gre. Ac.	Heliocentrick Aspects	The Lunar Aspects.						Mutual Aspects at the Earth.
		☉	h	ψ	♂	♀	♂	
		Orie	Orie	Orie	Orie	Orie	Orie	
12		♂ 15	□ 18	* 5	♂ 17		♂ 23	☉ Eclipsed inv.
13	♂ ψ ♀.			□ 7				□ ☉ h.
14	Δ ψ ♀.		Δ 5			♂ 4		
15	* ♀ ♀.	* 20		Δ 3				♂ ♂ ♀.
16	□ ♂ ♀.		♂ 2		* 17		* 13	
17	□ h ♀.							
18		□ 6					□ 16	
19			♂ 15	□ 0	* 3		Δ 16	
20		Δ 13			Δ 5	□ 10		
21	♂ ☉ ♀.		Δ 2					♂ ☉ ♀ R. DPe.
22	□ ψ ♀.			Δ 18		Δ 14	Orie	
23	Δ h ♂.	♂ 21	□ 2		♂ 11		♂ 13	
24	* h ♀.		* 4					Δ ψ ♀.
25	□ ψ ☉. ♂ ♂ ♀.			* 23		♂ 2	Δ 15	
26		Δ 12						
27			♂ 14		Δ 0		□ 22	
28	* ψ ♀. □ ♀ ♀.	□ 2		♂ 17	□ 14			
29	St. James Ap.					Δ 8	* 9	* ♀ ♀.
30		* 19	* 14		* 6			♀ ♀ 14 h. DAp
31						□ 21		□ ψ ♂.
Aug 1	* ☉ ♀.			* 19				
Aug 2	* h ☉. Δ h ♀.	□ 2			* 2	♂ 14		

August 1703.

## The Planets Geocentrick Motions.

Julian Acc.	The Planets		Latitudes.		12 A 38		1 A 10		1 B 9		0 A 21		1 A 8	
6														
11														
16	2	42	1	13	1	8	1	39	1	35				
21		43	1	13		7	2	9	1	46				
26		44	1	14		7	2	33	1	37				

August 1703.

The Planets Heliocentrick Places, or their Motions about the ☉.	D	♈	♉	♊	♋	♌	♍	♎	♏				
	1	17	21	7	58	23	53	18	55	21	14	18	24
	6		31	8	25	26	4	23	44	29	9	17	30
	11		42	8	52	28	15	28	33	7	3	18	49
	16	17	52	9	20	0	27	3	23	14	57	19	46
	21	18	2	9	47	2	38	8	14	22	51	17	51
	26		13	10	14	4	40	13	5	0	45	12	0

The Lunar Aspects.

Mutual Aspects at the Earth.

Gre. Ac.	Heliocentrick Aspects	♈	♉	♊	♋	♌	♍	♎	♏
1	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
2	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
3	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
4	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
5	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
6	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
7	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
8	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
9	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
10	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
11	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
12	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
13	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
14	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
15	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
16	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
17	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
18	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
19	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
20	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
21	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
22	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
23	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
24	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
25	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
26	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
27	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
28	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
29	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
30	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏
31	♈♉♊♋♌♍♎♏	♈	♉	♊	♋	♌	♍	♎	♏

September 1703.

The Planets Geocentrick Motions.

Julian Acc. I M.D.	The Planets Latitudes.																			
☉	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏
1	18	56	4	15	5	B	1	21	48	21	3	11	46	5	4	23	51	5	48	
2	19	54	17	55	4	57	21	44	21	2	12	24	5	59	25	37	5	45		
3	20	53	1	52	4	36	21	40	21	1	13	3	6	54	27	22		42		
4	21	51	15	47	3	59	21	37	21	0	13	41	7	48	29	6		38		
5	22	50	29	46	3	4	21	33	20	59	14	20	8	41	0	50		35		
6	23	49	13	45	1	56	21	29	20	58	14	58	9	34	2	53		32		
7	24	47	28	0	0	41	21	25	20	57	15	36	10	27	4	14		29		
8	25	46	12	44	0	A	37	21	20	55	16	15	11	19	5	54		26		
9	26	45	26	18	1	53	21	17	20	53	16	53	12	11	7	33		23		
10	27	44	10	15	2	58	21	13	20	51	17	31	13	2	9	11		19		
11	28	43	24	24	3	52	21	9	20	48	18	10	13	52	10	49	5	16		
12	29	41	8	19	4	30	21	5	20	46	18	48	14	41	12	25		13		
13	0	40	21	59	4	52	21	0	20	43	19	26	15	29	14	1		10		
14	1	39	5	27	5	0	20	56	20	40	20	5	16	17	15	36		7		
15	2	38	18	32	4	53	20	52	20	36	20	43	17	4	17	10		4		
16	3	37	1	23	4	32	20	48	20	33	21	22	17	50	18	43		0		
17	4	36	13	56	3	59	20	43	20	29	22	0	18	36	20	15	4	57		
18	5	35	26	19	3	13	20	39	20	25	22	39	19	21	21	47	4	54		
19	6	35	8	18	2	20	20	35	20	21	23	17	20	5	23	18		51		
20	7	34	20	10	1	20	20	30	20	17	23	56	20	47	24	48		48		
21	8	33	2	5	20	15	20	26	20	13	24	35	21	28	26	17		45		
22	9	32	13	54	0	B	52	20	20	9	25	13	22	8	27	45		41		
23	10	31	25	49	1	55	20	16	20	4	25	52	22	48	29	12		38		
24	11	31	7	57	2	53	20	11	20	0	26	30	23	26	0	39		35		
25	12	30	20	14	3	43	20	6	19	55	27	9	24	3	2	5		32		
26	13	29	2	53	4	22	20	1	19	50	27	47	24	38	3	30		29		
27	14	29	16	24	4	49	19	56	19	44	28	26	25	12	4	54		26		
28	15	28	29	28	5	0	19	51	19	39	29	4	25	45	6	17		22		
29	16	28	13	11	4	56	19	46	19	34	29	43	26	17	7	39		19		
30	17	27	12	13	4	37	19	41	19	29	0	22	26	48	9	0		16		

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Jul. Ac.	Gr. Ac.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30



September 1703.

	D.	♄	♅	♆	♁	♂	♂
The Planets Heliocentrick Places, or their Motions about the ☉.	1	18 25	10 47	7 26	18 56	10 54	6 13
	6	35	11 14	9 38	23 49	18 8	23 25
	11	46	11 41	11 50	28 43	26 3	8 52
	16	18 56	12 8	14 2	3 37	3 58	23 16
	21	19 7	12 35	16 14	8 33	11 54	7 7
	26	13 13	2 18	26 13	29 10	50 20	51

Jul. Ac.		Greac.	Heliocentric Aspects.	The Lunar Aspects.						Mutual Aspects at the Earth.
				☉	♂	♂	♂	♀	♀	
				Orie	Orie	Orie	Orie	Occi	Occi	
1	12	□ ♀ ♀.								
2	13	Lond. Burnt.		♂ 7						
3	14	△ ♀ ♀.				* 20	♂ 9			△ ☉ ♀.
4	15		* 11		♂ 9					
5	16	♂ ♂ ♀.							* 2	
6	17	* ♂ ♀.	□ 18	△ 12		□ 2				
7	18						* 22	□ 12		☉ Perigæ.
8	19			□ 16	△ 15	△ 7			△ 22	
9	20		△ 1							
10	21			* 19	□ 18		□ 5			
11	22	△ ♀ ♂.								
12	23	♂ ♀ ♀. * ♂ ♀.			* 22	♂ 19	△ 12			♀ in ☉ 23 h.
13	24		♂ 17							
14	25							♂ 21		
15	26		♂ 4							△ ♀ ♂.
16	27									
17	28				♂ 13	△ 17	♂ 10			♂ ♂ ♀.
18	29		△ 20							
19	30									♂ ♀ ♀.
20	1			* 1		□ 8		△ 21		☉ Apogæ.
21	2	St. Matthew.	□ 14							
22	3	* ♀ ♀ △ ☉ ♀.		□ 13	* 13			△ 18		
23	4					*			□ 8	♀ Aphelion.
24	5	□ ♂ ♀.	* 8	△ 24	□ 23					
25	6	♂ ♂ ♀. △ ♂ ♀.						□ 8		
26	7	□ ♀ ♀.							* 1	
27	8				△ 7	♂ 23	* 17			
28	9									
29	10	St. Michael.	♂ 6	♂ 11						
30	11							♂ 22		

October 1703.

The Planets Geocentrick Motions.

Julian Acc. M.D.	The Planets Latitudes.				1 A 47				1 A 18				1 B 0				5 A 52				1 A 59			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	5	6	7	8	1	2	3	4
	18	27	11	29	4	19	36	19	23	1	1	27	17	10	19	4	13	10	6					
1	18	27	11	29	4	19	36	19	23	1	1	27	17	10	19	4	13	10	6					
2	19	26	25	56	3	10	19	31	19	17	1	39	27	44	11	37								
3	20	26	10	7	2	4	19	26	19	11	2	18	28	10	12	54								
4	21	25	24	44	5	51	19	21	19	4	2	57	28	34	14	10								
5	22	25	8	55	0	27	19	16	18	58	3	36	28	56	15	25								
6	23	25	23	9	1	45	19	11	18	51	4	15	29	15	16	39	3	57						
7	24	24	7	4	2	54	19	6	18	44	4	54	29	33	17	51								
8	25	24	20	52	3	50	19	1	18	37	5	33	29	49	19	1								
9	26	24	4	25	4	31	18	56	18	30	6	12	0	7	20	9								
10	27	24	17	54	4	56	18	51	18	23	6	51	0	15	21	15								
11	28	24	1	12	5	4	18	47	18	16	7	30	0	26	22	18								
12	29	24	14	17	1	55	18	42	18	8	8	9	0	33	23	18								
13	0	24	27	6	4	35	18	37	18	1	8	48	0	39	24	16								
14	1	23	9	4	1	20	18	28	17	46	10	6	0	43	25	11								
15	2	23	22	1	3	18	23	17	38	10	9	27	0	43	26	2								
16	3	24	4	18	2	28	18	23	17	38	10	45	0	39	27	31								
17	4	24	16	22	1	29	18	19	17	31	11	24	0	33	28	8								
18	5	24	28	16	0	26	18	15	17	23	12	3	0	24	28	40								
19	6	24	10	5	0	37	18	11	17	15	12	42	0	13	29	7								
20	7	24	21	54	1	41	18	7	17	7	13	21	0	0	29	27								
21	8	24	3	50	2	42	18	2	16	59	14	0	0	0	0	0								
22	9	24	15	54	3	36	17	59	16	51	14	39	29	44	29	40								
23	10	25	28	1	4	20	17	55	16	43	15	18	29	25	29	42								
24	11	25	10	58	4	53	17	51	16	35	15	57	29	4	29	37								
25	12	25	23	56	5	6	17	47	16	27	16	36	23	41	29	21								
26	13	25	7	25	5	6	17	43	16	18	17	15	28	16	28	55								
27	14	26	21	26	4	48	17	39	16	10	17	54	27	49	23	19								
28	15	26	5	45	4	12	17	35	16	2	18	33	27	21	27	34								
29	16	27	20	19	3	22	17	32	15	54	19	12	26	51	26	39								
30	17	27	5	62	2	20	17	28	15	46	19	51	26	20	25	36								
31	18	27	20	0	1	6	17	24	15	38	20	30	25	47	24	25								

# October 1703.

The Planets Heliocentrick Places, or their Motions about the ☉.	D.	♄	♊	♈	♉	♊	♋
1	19	29	13	29	20	39	18
6		39	13	56	22	52	23
11		50	14	23	25	5	28
16	20	0	14	50	27	19	38
21		11	15	17	29	33	8
26		21	15	44	1	48	13
							25
							7
							4
							23
							42
							13
							7
							54

## The Lunar Aspects.

Mutual Aspects at the Earth.

Jul. Ac.	Gre. Ac.	Heliocentrick Aspects.	☉	♄ Occi	♊ Ori	♈ Ori	♉ Occi	♊ Occi	♋
1	12				♈ 13				
2	13	♄ ☉ ♄.	* 18	♄ 15		* 10	♄ 3		♄ ☉ ♄.
3	14					□ 15			
4	15	♄ ♄ ♄.		□ 17	♄ 17			* 12	♄ Perigæ.
5	16		□ 1			♄ 20	* 11		
6	17	♄ ♄ ♄.		* 21	□ 20			□ 20	♄ ♄ ♄.
7	18	♄ ♄ ♄.	♄ 9				□ 16		
8	19	♄ ☉ ♄.							
9	20				* 1	♄ 12	♄ 23	♄ 7	♄ Elong. Max.
10	21				♄ 8				
11	22				♄ 7				
12	23					♄ 16		♄ 17	♄ 8
13	24								
14	25	♄ ♄ ♄.					♄ 14		
15	26	♄ ♄ ♄. * ♄ ♄							
16	27	(* ♄ ♄)							
17	28	St. Luke Evang.	♄ 16	* 4					♄ Apogæ.
18	29			□ 16	* 14	□ 6	♄ 16	♄ 15	
19	30	* ♄ ♄.					* 21		
20	31	♄ ♄ ♄.	□ 10						♄ ♄ ♄.
21				♄ 4	□ 2		□ 2	□ 3	
22									
23			* 1		♄ 10				
24							* 8	* 9	
25	5	♄ ♄ ♄.			♄ 18		♄ 18		♄ ♄ ♄.
26	6	(♄ ♄ ♄.)							♄ ☉ ♄.
27	7								
28	8	♄ ☉ ♄. St. Sim.	♄ 17		♄ 17 Occi		♄ 10	♄ 10	
29	9			♄ 20					
30	10						* 1		
31		♄ ♄ ♄.							

November 1703.

The Planets Geocentrick Motions.

The Planets Latitudes.	{	1	2	A	4	5	1	A	1	8	0	B	5	2	4	A	9	0	A	10
		6																		
		11																		
		16																		
		21	2																	
		26																		
☉	♈	♉	♊	♋	Lat	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	
1	19	28	4	53	0	A	12	17	20	15	30	21	9	25	13	23	6	2	34	
2	20	28	19	22	1	30	17	17	15	22	21	49	24	37	21	44			31	
3	21	29	3	38	2	44	17	13	15	15	22	28	24		1	20	24		28	
4	22	30	17	42	3	46	17	10	15	7	23	7	23	24	19	6			25	
5	23	30	1	24	4	32	17	6	14	59	23	46	22	47	17	51			21	
6	24	31	14	53	5	1	17	3	14	51	24	26	22	10	16	41			18	
☽	25	31	28		5	12	17	0	14	44	25	5	21	34	15	42			15	
8	26	32	10	54	5	5	16	57	14	36	25	44	20	58	14	53			12	
9	27	33	23	38	4	45	16	54	14	28	26	24	20	23	14	13			9	
10	28	33	6	13	4	11	16	51	14	20	27	3	19	49	13	46			6	
11	29	34	18	35	3	27	16	48	14	13	27	43	19	17	13	31			2	
12	0	35	0	43	2	35	16	45	14	5	23	22	18	47	13	D.26	1		59	
13	1	36	12	43	1	39	16	42	13	58	29	2	18	18	13	34			56	
☿	2	37	24	38	0	38	16	39	13	50	29	41	17	50	13	51			53	
15	3	37	6	33	0	B	25	16	37	13	43	0	M	21	17	24	14	17	50	
16	4	38	18		1	27	16	34	13	35	1	0	17	0	14	52			47	
17	5	39	0	16	2	30	16	32	13	28	1	39	16	38	15	33			43	
18	6	40	12	6	3	24	16	30	13	21	2	19	16	19	16	22			40	
19	7	41	24	10	4	11	16	28	13	14	2	58	16	3	17	16			37	
20	8	42	6	27	4	47	16	26	13	8	3	38	15	50	18	15			34	
☿	9	43	19	5	5	10	16	24	13	1	4	17	15	39	19	19			31	
22	10	44	2	5	5	6	16	22	12	55	4	57	15	30	20	26			27	
23	11	45	15	25	5	3	16	20	12	48	5	36	15	24	21	37	1		24	
24	12	46	29	12	4	43	16	19	12	42	6	16	15	20	22	51			21	
25	13	47	13	40	3	47	16	17	19	36	6	55	15	D.18	24	7			19	
26	14	48	28	28	2	43	16	16	18	30	7	35	15	19	25	24			15	
27	15	49	13	28	1	32	16	14	18	25	8	14	15	22	26	43			12	
☿	16	50	28	39	0	13	16	13	12	19	8	54	15	28	28	4			8	
29	17	51	13	47	1	A	8	16	12	12	14	9	34	15	36	29	27		5	
30	18	52	28	53	2	28	16	11	12	9	10	14	15	46	0	52			2	



November 1703.

The Planets Heli- ocentrick Plac- es, or their Motions about the ☉.	D.	h	ψ	♂	☉	♀	♃										
	12	0	34	16	8	17	45	31	19	8	28	17	8	20	11	8	38
	6	20	44	16	44	6	47	24	31	25	22	12	II	41			
	11	20	55	17	11	9	3	29	34	3	II	25	13	56			
	16	21	5	17	37	11	21	4	II	38	11	29	12	Ω	43		
	21	21	16	18	4	13	39	9	43	19	33	7	π	38			
	26	21	26	18	31	15	58	14	48	27	39	28	46				

Jul. Ac.		Gre. Ac.	Heliocentrick Aspects.	The Lunar Aspects.					Mutual Aspects at the Earth.
				☉	☿	♂	♀	♂	
				Occi	Occi	Orie	Occi		
1	12		All Saints.		☐ 21	Δ 17			♂ ♀ 12 h. ☽ Pe
2	13		♂ ☉ ♀. ♂ ♀ ♀.	* 2		☐ 4	* 6	* 4	♂ ☉ ♀ Rk.
3	14		♂ ♀ ♀.	* 23	☐ 20			Orie	
4	15		♂ ☉ ♀.	☐ 9		Δ 10	☐ 11	☐ 2	♂ ☉ ♀ Rk.
5	16		Pow. Pl. Δ ♂ ♀				Orie		
6	17			Δ 19	* 0		Δ 13	Δ 3	♀ Perihelion.
7	18	☉	* ♀ ♀.						
8	19			♂ 11					♂ ♀ ♀.
9	20					♂ 6			
10	21		☐ ♂ ♀.		♂ 16			♂ 14	
11	22		* ♀ ♀.	♂ 24			♂ 1		
12	23		☐ ♀ ♀.						
13	24				* 8				
14	25	☉	* ☉ ♀.		Δ 11				♂ ♀ ♀.
15	26		(* ♀ ♀.	☐ 20	* 14		Δ 21	Δ 16	☽ Apogæon.
16	27		Δ ♂ ♀. * ♂ ♀.						
17	28		☐ ♀ ♀.	Δ 12		☐ 3			♀ ♀ 17 h.
18	29		Δ ♀ ♀.	Δ 9	☐ 2		☐ 8	☐ 9	♂ ♀ ♀.
19	30					* 18			
20	1			☐ 5	Δ 13		* 18		♀ Elong. Max.
21	2	☉						* 0	
22	3	☉	* ♀ ♀. ☐ ☉ ♀.	* 17					
23	4	Decem		♂ 2					
24	5		Δ ♀ ♀.		♂ 22	♂ 12			
25	6						♂ 3	♂ 19	
26	7		☐ ♀ ♀.						
27	8		☉ Eclip. Invis.	♂ 4	Δ 4				Δ ☉ ♀.
28	9	☉	Δ ♂ ☉.			Δ 22	* 17		☽ Perigæon.
29	10			☐ 4			* 3		
30	11		St. Andrew.		☐ 22	☐ 20		* 4	

December 1703.

The Planets Geocentrick Motions.

Julian Acc.   M.D.	The Planets Latitudes.																
	<div><div>1 6 11 16 21 26</div><div>2 A38 2 37 2 35 2 34 2 32 2 31</div><div>1 A11 1 10 1 8 1 6 1 5 1 3</div><div>0 B40 37 35 32 29 26</div><div>2 B33 3 9 3 36 3 53 4 4 4 7</div><div>1 B 6 0 28 0 A 7 0 41 1 10 1 34</div></div>																
	☉	♈	♉	♊	Lat. D	♋	♌	♍	♎	♏	♐						
						Rc		Rc									
1	19	53	13	29	3 A30	16	10	12	4	10	53	15	59	2	17	0	59
2	20	54	27	41	4 22	16	9	12	0	11	33	16	14	3	42	0	56
3	21	55	11	X33	4 59	16	9	11	55	12	13	16	30	5	8		52
4	22	56	25	05	5 17	16	9	11	50	12	52	16	48	6	35		49
5	23	57	8	γ	6 5	16	8	11	46	13	32	17	9	8	2		46
6	24	58	20	52	4 56	16	8	11	42	14	12	17	32	9	30		43
7	25	59	3	δ	19 4	21	16	8	11	38	14	52	17	56	10	59	40
8	27	1	15	40	3 37	16 D.	8	11	35	15	32	18	22	12	28		37
9	28	2	27	45	2 45	16	8	11	31	16	12	18	50	13	57		33
10	29	3	9	II	48 1	47	8	11	28	16	52	19	19	15	27		30
11	wp	4	21	39	0 46	16	8	11	25	17	32	19	50	16	58		27
12	1	5	3	5	27 0	B16	9	11	22	18	12	20	22	18	29		24
13	2	6	15	25	1 18	16	9	11	20	18	52	20	56	20	0		21
14	3	7	27	3	2 16	16	10	11	17	19	32	21	32	21	31		18
15	4	9	8	Ω	58 3	12	16	11	14	20	12	22	10	23	3		14
16	5	10	21	0	4 0	16	12	11	12	20	52	22	49	24	35		11
17	6	11	3	吸	4 4	39	16	13	11	10	21	32	23	29	26	8	8
18	7	12	15	20	5 5	16	14	11	8	22	12	24	10	27	41		5
19	8	13	27	56	5 17	16	15	11	6	22	52	24	52	29	14		2
20	9	14	10	46	5 12	16	16	11	4	23	32	25	35	wp	47	29	58
21	10	16	24	8	4 49	16	18	11	3	24	12	26	19	2	21	II	55
22	11	17	7	III	49 4	7	16	19	11	24	52	27	4	3	55		52
23	12	18	21	53	3 11	16	21	11	2	25	32	27	50	5	29		49
24	13	19	6	♄	33 2	1	16	22	11	26	12	28	37	7	4		46
25	14	20	21	36	0 43	16	24	11 D.	2	26	52	29	25	8	39		43
26	15	21	6	wp	46 0	A38	16	26	11	27	32	0 ♀	14	10	15		39
27	16	22	22	3	1 54	16	28	11	2	28	12	1	4	11	51		36
28	17	24	7	III	9 3	4	16	30	11	3	28	52	1	54	13	28	33
29	18	25	22	6	4 3	16	32	11	3	29	32	2	45	15	5		30
30	19	26	6	X	41 4	45	16	34	11	4	0 ♀	12	3	37	16	42	27
31	20	27	20	38	5 10	16	37	11	5	0	52	4	30	18	20		23

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Jul. Acc. | Gre. Acc. |  
1 12  
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# December 1703.

The Planets Heliocentrick Places, or their Motions about the ☉.	D.	h	♊	♈	♉	♊	♋
	1	21	38	18	58	18	17
	6	21	48	19	25	20	38
	11	21	59	19	52	22	59
	16	22	9	20	19	25	22
	21	22	20	20	45	27	45
	26	22	31	21	13	0	11
						15	21
						16	21
						17	29
						17	17

		The Lunar Aspects.						Mutual Aspects at the Earth.
		☉	♈	♊	♈	♊	♋	
Jul. Ac.	Gre. Ac.	Heliocentrick Aspects.	Occi	Occi	Orie	Orie	Orie	
59	1	12	*12	*5		□4		
56	2	13	□20		*1	△1	△9	♈♊♈.
52	3	14						
49	4	15	△9	♈5			△0	
46	5	16			♈16	♈24		
43	6	17				♈6		
40	7	18						
37	8	19						♋ in ♋ 22 h.
33	9	20	♈♈♈.					♋ in ♋ 22 h.
30	10	21	*♊♋.	*13			♈13	△♈♋.
27	11	22	□♈♋.	♈19				♋ Eclip. Vifib.
24	12	23	□♈♋♈♋.		*16			♋ Apogæ.
21	13	24		□2	△8	△12		
18	14	25		△14	□5	□24		
14	15	26	△♋♋.					
11	16	27		△7	△16	□4	△8	♈♋♋ fere.
8	17	28				*14	*18	♋ Perih. ♋ Per.
5	18	29		□21			□3	♋ Aphelion.
2	19	30		♈10			*16	
58	20	31	St. Thomas.					
55	21	1		*6	♈5	♈6	♈10	△♋♋.
52	22	2	△♈♋.		△16			
49	23	3						
46	24	4						
43	25	5	Nativ. Christ.	♈14	□15	△7	♈6	△♋♋♋ Perig.
39	26	6	*♈♋.			*10	*15	□♋♋.
36	27	7	♋ Eclip. Invis.		*15	□6		
33	28	8		*24	*8	□13	□19	
30	29	9	□♋♋.					
27	30	10						
23	31	11	△♈♋.					

## Advertisements.

**D**affy's Elixir Salutis, rightly Prepared and Sold in most Parts on this Side, and over Seas; at the two Blew Posts in Salisbury Court. By **C. Crubshaw**, who Married the Widow of *Anthony Daffy*.

Dr. *John Russel's* true Elixirated Spirits of Scurvy-Grass, both plain and purging; his Pectoral Lozenges, Worm-Powder, his Pills of Scurvy-Grass: Also Dr. *George Jones* famous friendly Pills, Balsom of Balsoms, and Electuary, are truly prepared by (*Thomas and Elizabeth*) *Craven*, Relict of both those famous Physicians, and are to be had at the late Dwelling House of the said Dr. *Russel*, over against *Gray's Inn* in *Holbourn*, the two great Blew Twisted Posts, being the Supporters of his Portal. Beware of Counterfeits, for there are false Pretenders.

*Elixir of Roses*, being a Noble Cordial Medicine, fitted to all Constitutions, it is powerful in removing all Feavers, and speedily helps Diseases of the Head and Brain; restores Consumptive Persons to Health; and is prevalent against Melancholly, and Hypochondriack Diseases, and gently operates by Stool and Urine. Price 3 s. 6 d. the Bottle. Sold only by Dr. *Danck's* at his House the Lower End of *Fleet-Ditch*, on *Bridewell* side: Who also by the Blessing of God cures all manner of Diseases incident to Mankind.

*Joseph Nelson* of *Colchester* in *Essex*, Practitioner in the Mathematicks, Surveyeth Land; Lordships and Inclosure, and makes accurate Maps of them, as also of Towns, &c. He measureth Timber, Brick-work, and whatever belongeth to Building. Also Dials made of any Kind, Direct, Reflective or Refractive.

Mathematicks in Theory, and Practice, are Taught, viz. Arithmetick, Vulgar and Decimal, Navigation, Surveying, Gauging, Dyaling, Measuring any sort of Works, &c. The Use of the Globes, Maps, and other Mathematical Instruments. Also Land survey'd, Dials made, Timber and Buildings measured, Maps or Drafts of Surveys drawn, &c. By *R. Baker*, who may be spoke with at Mr. *WINN's* in *Chancery-Lane*, Mr. *TUTTELL's* at *Charing-Cross*, Mathematical Instrument-Makers, and at the *Exchange Coffee-House* over against the *Royal-Exchange*.

*Astronomia Anglicana*. Containing the Expedition Astronomical Tables of Mr. *Tho. Street*, in his *Astronomia Carolina*, for Calculating the Places of the Planets,  $\hbar$   $\Upsilon$   $\delta$   $\eta$   $\zeta$ ; and of the  $\odot$  by the help of the Table of Equation. Also the Moon with little Variation, with Precepts for the Calculation of Eclipses, are now Sold by *Rich. Mount* at the *Postern* on *Tower-Hill*.

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A Barrel of Ale is 32 Gallons.  
 A Barrel of Beer 36 Gallons.  
 A Firkin of Beer 9 Gallons.  
 A Firkin of Ale 8 Gallons.  
 8 Pints is 1 Gallon.  
 2 Gallons a Peck.  
 4 Pecks a Bushel, Land Measure.  
 5 Pecks a Bushel, Water Measure.  
 A Chaldron of Coals 36 Bushels.  
 Days in the Year 365.  
 Weeks in the Year 52.

Minutes in an hour 60

A Hundred <sup>2</sup>Weight is 112 Pound.

A Stone is 8 Pound; in some Countries it is 14.

A Yard is 3 Foot. A Foot is 12 Inches

3 Barly Corns in length 1 Inch.

A Load of Bricks 500.

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 3 & 32 & 11 \\ 12 & 2 & 47 & 28 \end{matrix}$

*Sol in Aries.*

A. R.		Time from Noon.			H. XH.	XI. H.	XII. Ascend.	H.	II. H.	III.				
G. M.	M.	H. M.	S.	G.	G.	M. G.	M. G.	G. M.	G. M.	M.				
0	0	0	0	0	12	37	23	20	26	42	15	54	4	26
0	55	0	3	40	13	50	29	20	27	23	16	35	5	13
1	50	0	7	20	14	59	00	10	23	2	17	15	5	59
2	45	0	11	0	16	8	1	0	23	42	17	56	6	46
3	40	0	14	40	17	17	1	49	29	21	18	36	7	32
4	35	0	18	20	18	25	2	39	0	1	19	1	0	19
5	30	0	22	0	19	32	3	28	0	40	19	56	9	5
6	25	0	25	40	20	39	4	16	1	20	20	36	9	52
7	21	0	29	20	21	45	5	5	2	0	21	17	10	39
8	15	0	33	0	22	51	5	53	2	39	21	57	11	26
9	11	0	36	44	23	58	6	41	3	19	22	37	12	13
10	6	0	40	24	25	3	7	29	3	59	23	27	12	59
11	2	0	44	4	26	7	8	16	4	38	23	57	13	46
11	57	0	47	48	27	12	9	3	5	17	24	39	14	34
12	53	0	51	28	28	15	9	49	5	57	25	19	15	21
13	48	0	55	12	29	20	10	35	6	36	26	0	16	9
14	44	0	58	52	0	II 22	11	21	7	15	26	40	16	56
15	40	I	2	36	I	24	12	8	7	55	27	21	17	43
16	35	I	6	20	2	26	12	54	8	35	28	2	18	31
17	31	I	10	4	3	28	13	40	9	14	28	43	19	19
18	27	I	13	48	4	30	14	25	9	54	29	24	20	7
19	23	I	17	32	5	31	15	10	10	33	0	5	20	55
20	20	I	21	16	6	30	15	55	11	12	0	46	21	43
21	16	I	25	0	7	30	16	41	11	52	1	27	22	31
22	12	I	28	48	8	31	17	26	12	32	2	9	23	19
23	9	I	32	36	9	32	18	11	13	12	2	51	24	8
24	6	I	36	24	10	32	18	55	13	52	3	33	24	57
25	2	I	40	12	11	32	19	40	14	32	4	15	25	46
25	59	I	44	0	12	30	20	26	15	12	4	57	26	34
26	57	I	47	48	13	28	21	10	15	51	5	38	27	23
27	54	I	51	36	14	26	21	55	16	31	6	20	28	12

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\overset{0}{11} \overset{1}{3} \overset{32}{32} \overset{11}{11}$   
 $\overset{12}{12} \overset{2}{2} \overset{47}{47} \overset{28}{28}$

## Sol in Taurus.

A.	R.	Time from H. M. H. XI. H. XII. Ascend. H. II. H. III.													
G.	M.	Noon.			♈		♉		♊		♋		♌		
		H.	M.	S.	G.	M.	G.	M.	G.	M.	C.	M.	G.	M.	
27	54	1	51	36	0	14	26	21	55	16	31	6	20	28	12
28	51	1	55	24	1	15	24	22	38	17	11	7	2	29	1
29	49	1	59	16	2	16	21	23	24	17	51	7	45	29	51
30	46	2	3	4	3	17	18	24	7	18	31	8	27	30	40
31	44	2	6	56	4	18	15	24	52	19	12	9	9	1	29
32	42	2	10	48	5	19	12	25	36	19	52	9	52	2	19
33	40	2	14	40	6	20	9	26	20	20	32	10	35	3	9
34	39	2	18	36	7	21	6	27	5	21	13	11	18	3	59
35	37	2	22	28	8	22	2	27	49	21	54	12	0	4	49
36	36	2	26	24	9	23	0	28	34	22	35	12	43	5	40
37	35	2	30	20	10	23	56	29	17	23	16	13	27	6	30
38	34	2	34	16	11	24	52	0	23	23	57	14	10	7	20
39	33	2	38	12	12	25	48	0	47	24	38	14	54	8	10
40	32	2	42	8	13	26	42	1	31	25	19	15	37	9	1
41	31	2	46	4	14	27	38	2	15	26	0	16	21	9	52
42	31	2	50	4	15	28	33	3	0	26	42	17	5	10	43
43	31	2	54	4	16	29	27	3	45	27	24	17	49	11	34
44	31	2	58	4	17	0	23	4	29	28	6	18	33	12	26
45	31	3	2	4	18	1	19	5	14	28	47	19	17	13	17
46	32	3	6	8	19	2	14	5	59	29	30	20	3	14	8
47	33	3	10	12	20	3	9	6	45	0	13	20	48	15	0
48	33	3	14	12	21	4	3	7	29	0	55	21	32	15	52
49	34	3	18	16	22	4	58	8	13	1	37	22	17	16	44
50	35	3	22	20	23	5	52	8	59	2	20	23	2	17	35
51	36	3	26	24	24	6	45	9	45	3	2	23	47	18	28
52	38	3	30	32	25	7	40	10	30	3	46	24	33	19	20
53	40	3	34	40	26	8	35	11	16	4	29	25	19	20	13
54	42	3	38	48	27	9	29	12	2	5	12	26	4	21	5
55	44	3	42	56	28	10	24	12	48	5	55	26	51	21	58
56	46	3	47	4	29	11	18	13	32	6	39	27	37	22	50
57	48	3	51	12	30	12	12	14	18	7	22	28	22	23	40

# A Table of Houses for the Latitude of 51deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 3 & 32 & 11 \\ 12 & 2 & 47 & 23 \end{matrix}$

## Sol in Gemini.

A.	R.	Time from Noon.			H. XI.		H. XII.		Ascend.		H. II.		H. III.	
		H.	M.	S.	G.	G.	M.	G.	M.	G.	M.	G.	M.	
57	48	3	51	12	0	12	12	14	18	7	22	28	22	
58	51	3	55	24	1	13	6	15	4	8	6	29	9	
59	54	3	59	36	2	14	1	15	50	8	50	29	56	
60	57	4	3	48	3	14	56	16	36	9	34	om	43	
62	0	4	8	0	4	15	51	17	22	10	18	1	30	
63	3	4	12	12	5	16	44	18	9	11	3	2	16	
64	6	4	16	24	6	17	38	18	56	11	47	3	3	
65	9	4	20	36	7	18	32	19	41	12	31	3	49	
66	13	4	24	52	8	19	26	20	27	13	16	4	37	
67	17	4	29	8	9	20	20	21	15	14	1	5	24	
68	21	4	33	24	10	21	14	22	1	14	46	6	11	
69	25	4	37	40	11	22	8	22	47	15	31	6	59	
70	29	4	41	56	12	23	22	23	33	16	16	7	46	
71	33	4	46	12	13	23	56	24	21	17	1	8	33	
72	38	4	50	32	14	24	51	25	9	17	46	9	21	
73	43	4	54	52	15	25	46	25	57	18	32	10	9	
74	47	4	59	8	16	26	40	26	42	19	17	10	56	
75	52	5	3	28	17	27	34	27	30	20	4	11	45	
76	57	5	7	48	18	28	28	28	19	20	49	12	32	
78	2	5	12	8	19	29	22	29	6	21	35	13	20	
79	7	5	16	28	20	om	16	29	54	22	20	14	5	
80	12	5	20	48	21	1	11	om	41	23	6	14	56	
81	17	5	25	8	22	2	5	1	28	23	51	15	44	
82	22	5	29	28	23	2	59	2	16	24	37	16	32	
83	27	5	33	48	24	3	53	3	4	25	23	17	19	
84	33	5	38	12	25	4	48	3	52	25	9	18	8	
85	38	5	42	32	26	5	41	4	41	26	55	18	56	
86	43	5	46	52	27	6	37	5	28	27	41	19	44	
87	48	5	51	12	28	7	31	6	16	28	27	20	32	
88	54	5	55	36	29	8	26	7	4	29	13	21	20	
90	0	6	0	0	30	9	21	7	52	30	0	22	9	



# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 35 & 0 & 1 \\ 12 & 2 & 32 & 11 \\ & & 47 & 28 \end{matrix}$

## Sol in Cancer.

A. G.	R. M.	Time from Noon.			H. X G.	H. XI G.	H. XII M. G.	Ascend. G.	H. I M. G.	H. II M. G.	H. III M. G.				
		H.	M.	S.											
90	0	6	0	0	0	9	21	7	52	0	0	22	9	20	39
91	5	6	4	24	1	10	16	8	41	0	47	22	57	21	34
92	11	6	8	48	2	11	11	9	30	1	33	23	46	22	29
93	16	6	13	8	3	12	5	10	18	2	19	24	33	23	24
94	22	6	17	28	4	12	39	11	5	3	5	25	21	24	18
95	27	6	21	48	5	13	52	11	53	3	51	26	8	25	13
96	32	6	26	12	6	14	48	12	41	4	37	26	57	26	7
97	38	6	30	32	7	15	42	13	29	5	23	27	44	27	1
98	43	6	34	52	8	16	35	14	17	6	9	28	32	27	55
99	48	6	39	12	9	17	29	15	4	6	55	29	20	28	49
100	53	6	43	32	10	18	23	15	52	7	40	em	7	29	44
101	58	6	47	52	11	19	18	16	41	8	26	0	55	07	39
103	3	6	52	12	12	20	13	17	28	9	12	1	43	1	33
104	8	6	56	32	13	21	7	18	16	9	57	2	30	2	27
105	13	7	0	52	14	22	0	19	4	10	43	3	18	3	21
106	17	7	5	8	15	22	54	19	51	11	28	4	5	4	15
107	22	7	9	28	16	23	49	20	40	12	14	4	52	5	10
108	26	7	13	48	17	24	43	21	27	12	59	5	40	6	4
109	31	7	18	4	18	25	36	22	15	13	45	6	26	6	58
110	35	7	22	20	19	26	29	23	2	14	30	7	13	7	53
111	39	7	26	36	20	27	24	23	50	15	14	8	—	8	47
112	43	7	30	52	21	28	18	24	36	15	59	8	46	9	41
113	47	7	35	8	22	29	12	25	25	16	44	9	33	10	35
114	51	7	39	24	23	em	6	26	11	17	29	10	20	11	29
115	54	7	43	36	24	1	0	26	57	18	14	11	5	12	23
116	57	7	47	48	25	1	52	27	45	18	58	11	52	13	17
118	1	7	52	0	26	2	44	28	31	19	42	12	38	14	11
119	4	7	56	12	27	3	38	29	18	20	26	13	21	15	5
120	7	8	0	24	28	4	31	em	5	21	10	14	11	15	59
121	9	8	4	36	29	5	25	0	52	21	54	14	57	16	54
122	12	8	8	48	30	6	18	1	39	22	38	15	43	17	49

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} \text{II} & 3 & 32 & \text{II} \\ \text{12} & 2 & 47 & 28 \end{matrix}$

*Sol in Leo.*

A.	R.	Time from Noon.			H. X.	H. XI.	H. XII.	Ascend.	H. II.	H. III.	
G.	M.	H.	M.	S.	G.	M.	G.	M.	G.	M.	
122	12	8	8	40	0	6	18	1	39	22	38
123	14	8	12	56	1	7	10	2	24	23	22
124	16	8	17	4	2	8	3	3	11	24	5
125	18	8	21	12	3	8	55	3	57	24	48
126	20	8	25	20	4	9	48	4	41	25	32
127	22	8	29	28	5	10	41	5	28	26	16
128	24	8	33	36	6	11	33	6	14	26	58
129	25	8	37	40	7	12	25	6	59	27	41
130	26	8	41	44	8	13	16	7	44	28	23
131	27	8	45	48	9	14	9	8	29	29	6
132	28	8	49	52	10	15	0	9	13	29	47
133	28	8	53	52	11	15	52	9	57	30	24
134	29	8	57	56	12	16	43	10	43	1	13
135	29	9	1	56	13	17	35	11	28	1	55
136	29	9	5	56	14	18	26	12	12	2	36
137	29	9	9	56	15	19	17	12	57	3	18
138	29	9	13	56	16	20	9	13	40	4	0
139	28	9	17	52	17	20	59	14	24	4	41
140	28	9	21	48	18	21	50	15	7	5	22
141	27	9	25	44	19	22	40	15	50	6	4
142	26	9	29	40	20	23	30	16	34	6	45
143	25	9	33	36	21	24	21	17	17	7	26
144	23	9	37	32	22	25	11	18	1	8	6
145	22	9	41	24	23	26	1	18	44	8	47
146	20	9	45	20	24	26	52	19	27	9	28
147	18	9	49	12	25	27	41	20	10	10	8
148	16	9	53	4	26	28	31	20	53	10	48
149	14	9	56	56	27	29	21	21	36	11	29
150	11	10	0	44	28	30	10	22	17	12	9
151	9	10	4	36	29	0	59	22	58	12	50
152	6	10	8	24	30	1	48	23	41	13	30

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 3 & 0 \\ 12 & 2 & 1 \end{matrix} \left\{ \begin{matrix} 32 \\ 47 \end{matrix} \right. \begin{matrix} 1 \\ 28 \end{matrix}$

## Sol in Virgo.

A.	R.	Time from Noon			H. X	H. XI	H. XII	Ascend.		H. I	H. II	H. III	
		H.	M.	S.	$\text{♊}$ G.	$\text{♋}$ G.	M.	G.	M.	G.	M.	G.	M.
152	6	10	8	24	0	1	48	23	41	13	30	8	6
153	3	10	12	12	1	2	37	24	23	14	9	8	51
154	0	10	16	0	2	3	26	25	5	14	49	9	35
154	57	10	19	48	3	4	15	25	46	15	29	10	20
155	54	10	23	36	4	5	4	26	28	16	9	11	5
156	51	10	27	24	5	5	53	27	11	16	48	11	50
157	48	10	31	12	6	6	41	27	53	17	28	12	35
158	45	10	35	0	7	7	30	28	33	18	9	13	21
159	41	10	38	44	8	8	17	29	15	13	48	14	6
160	37	10	42	28	9	9	5	29	57	19	27	14	51
161	33	10	46	12	10	9	53	om 37	20	6	15	15	36
162	29	10	49	56	11	10	41	1	18	20	48	16	22
163	25	10	53	40	12	11	29	1	59	21	26	17	9
164	21	10	57	24	13	12	17	2	40	22	5	17	54
165	17	11	1	8	14	13	5	3	21	22	45	18	40
166	12	11	4	48	15	13	52	4	1	23	24	19	25
167	8	11	8	32	16	14	39	4	42	24	4	20	12
168	3	11	12	12	17	15	26	5	22	24	43	20	58
168	59	11	15	56	18	16	14	6	3	25	23	21	46
169	54	11	19	36	19	17	1	6	43	26	2	22	32
170	49	11	23	16	20	17	48	7	23	26	41	23	19
171	45	11	27	0	21	18	35	8	4	27	22	24	8
172	40	11	30	40	22	19	22	8	44	28	1	24	56
173	35	11	34	20	23	20	9	9	24	28	40	25	44
174	30	11	38	0	24	20	56	10	5	29	20	26	33
175	25	11	41	40	25	21	42	10	45	29	59	27	22
176	20	11	45	20	26	22	28	11	24	0 7	39	28	11
177	15	11	49	0	27	23	15	12	5	1	19	29	0
178	10	11	52	40	28	24	1	12	46	2	0	29	49
179	5	11	56	20	29	24	48	13	26	2	39	0 41	16
180	0	12	0	0	30	25	34	14	6	3	19	1	32

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole

11 35 32 11  
12 2 47 28

*Sol in Libra.*

A. G.	R. M.	Time from Noon				H. XI.		H. XII Ascend.		H. II.		H. III.	
		H.	M.	S.	G.	G.	M.	G.	M.	G.	M.	G.	M.
180	00	12	0	0	0	25	34	14	6	3	19	1	32
180	55	12	3	40	1	26	20	14	46	3	59	2	24
181	50	12	7	20	2	27	6	15	28	4	40	3	15
182	45	12	11	0	3	27	52	16	7	5	26	4	7
183	40	12	14	40	4	28	39	16	47	6	2	5	1
184	35	12	18	20	5	29	26	17	29	6	43	5	55
185	30	12	22	0	6	0m12	18	18	8	7	24	6	49
186	25	12	25	40	7	0	59	18	49	8	5	7	44
187	20	12	29	20	8	1	45	19	29	8	46	8	39
188	15	12	33	0	9	2	31	20	10	9	28	9	34
189	11	12	36	44	10	3	19	20	51	10	10	10	32
190	6	12	40	24	11	4	5	21	31	10	52	11	30
191	1	12	44	4	12	4	52	22	12	11	35	12	28
191	57	12	47	48	13	5	38	22	54	12	18	13	27
192	52	12	51	28	14	6	25	23	34	12	50	14	26
193	48	12	55	2	15	7	11	24	16	13	43	15	27
194	43	12	58	52	16	7	57	24	57	14	26	16	28
195	39	13	2	36	17	8	44	25	39	15	10	17	30
196	35	13	6	20	18	9	28	26	20	15	54	18	32
197	31	13	10	4	19	10	15	27	2	16	39	19	37
198	27	13	13	48	20	11	2	27	44	17	23	20	43
199	23	13	17	32	21	11	50	28	26	18	8	21	50
200	19	13	21	16	22	12	36	29	8	18	54	22	59
201	15	13	25	0	23	13	23	29	49	19	39	24	6
202	12	13	28	48	24	14	10	0f33	20	26	25	25	17
203	9	13	32	36	25	14	57	1	16	21	14	26	28
204	6	13	36	24	26	15	45	1	57	22	1	27	41
205	3	13	40	12	27	16	33	2	43	22	49	23	57
206	0	13	44	0	28	17	20	3	26	23	37	24	11
206	57	13	47	48	29	18	7	4	8	24	26	1	27
207	54	13	51	36	30	18	54	4	51	25	15	2	44



# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 32 & 11 \\ 12 & 22 & 28 \end{matrix}$

## Sol in Scorpio.

A.	R.	Time from H. X. H. XI. H. XII. Ascend. H. II. H. III.													
		Noon.			m	m		↑	↑	↑	↑	↑	↑	↑	↑
G.	M.	H.	M.	S.	G.	G.	M.	G.	M.	G.	M.	G.	M.	G.	M.
207	54	13	51	36	0	18	54	4	51	25	15	2	44	26	51
208	51	13	55	24	1	19	42	5	34	26	5	3	59	28	17
209	49	13	59	16	2	20	30	6	19	26	56	5	25	29	44
210	46	14	3	4	3	21	18	7	4	27	47	6	49	1V	9
211	44	14	6	56	4	22	6	7	49	23	39	8	13	2	36
212	42	14	10	48	5	22	54	8	34	29	31	9	38	4	0
213	40	14	14	40	6	23	43	9	20	ovp	24	11	6	5	28
214	39	14	18	36	7	24	31	10	6	1	19	12	34	6	56
215	37	14	22	28	8	25	21	10	51	2	13	14	7	8	24
216	36	14	26	24	9	26	9	11	38	3	10	15	40	9	51
217	35	14	30	20	10	26	58	12	25	4	6	17	15	11	19
218	34	14	34	16	11	27	47	13	12	5	3	18	52	12	47
219	33	14	38	12	12	28	37	13	59	6	1	20	31	14	15
220	32	14	42	8	13	29	26	14	47	7	0	22	12	15	41
221	31	14	46	4	14	0↑	16	15	35	8	0	23	53	17	9
222	31	14	50	4	15	1	6	16	23	9	2	25	41	18	37
223	31	14	54	4	16	1	56	17	14	10	6	27	26	20	4
224	31	14	58	4	17	2	46	18	3	11	9	29	15	21	30
225	31	15	2	4	18	3	36	18	52	12	14	1X	6	22	56
226	32	15	6	8	19	4	27	19	41	13	21	2	57	24	23
227	33	15	10	12	20	5	19	20	23	14	29	4	53	25	40
228	33	15	14	12	21	6	10	21	24	15	37	6	49	27	14
229	34	15	18	16	22	7	1	22	14	16	46	8	4	23	39
230	35	15	22	20	23	7	53	23	7	17	58	10	47	25	4
231	36	15	26	24	24	8	44	24	0	19	11	12	45	1	28
232	38	15	30	32	25	9	36	24	54	20	27	14	52	2	52
233	40	15	34	40	26	10	29	25	4	21	43	16	58	4	17
234	42	15	38	48	27	11	21	26	43	23	3	19	4	5	40
235	44	15	42	56	28	12	15	27	38	24	24	21	11	7	3
236	46	15	47	4	29	13	8	28	31	25	47	23	18	8	25
237	48	15	51	12	30	14	0	29	3	27	10	25	25	9	47

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} \text{II} & 35 & 0 & 1 \\ \text{I} & 2 & 32 & \text{II} \\ & & 47 & 28 \end{matrix}$

## Sol in Sagittary.

A. G.	R. M.	Time from Noon.			H. X. H.		XI. H.		XII. Ascend. H.		II. H.		III.	
		H.	M.	S.	↑ G.	↑ G.	M.	G.	↑ M.	↑ G.	M.	G.	↑ M.	↑ G.
237	48	15	51	12	0	14	0	29	30	27	10	25	25	9 47
238	51	15	55	24	1	14	53	0	28	37	27	36	11	9
239	54	15	59	36	2	15	48	1	27	6	29	48	12	39
240	57	16	3	48	3	16	44	2	26	1	37	0	13	51
242	0	16	8	0	4	17	38	3	25	3	11	4	11	11
243	3	16	12	12	5	18	33	4	24	4	48	6	21	30
244	6	16	16	24	6	19	28	5	27	6	27	8	31	49
245	9	16	20	36	7	20	23	6	29	8	8	10	38	6
246	13	16	24	52	8	21	20	7	32	9	52	12	48	24
247	17	16	29	8	9	22	16	8	36	11	40	14	58	41
248	21	16	33	24	10	23	13	9	40	13	30	17	6	58
249	25	16	37	40	11	24	9	10	45	15	20	19	14	14
250	29	16	41	56	12	25	5	11	53	17	19	21	20	30
251	33	16	46	12	13	26	3	13	1	19	18	23	23	44
252	38	16	50	32	14	27	1	14	11	21	20	25	28	59
253	43	16	54	52	15	28	0	15	22	23	30	27	30	19
254	47	16	59	8	16	28	59	16	32	25	32	29	29	0 II 28
255	52	17	3	28	17	29	57	17	45	27	44	18	27	1 38
256	57	17	7	48	18	0	53	18	57	29	58	3	25	50
258	2	17	12	8	19	1	57	20	15	2	17	5	21	4
259	7	17	16	28	20	2	58	21	31	4	38	7	11	13
260	12	17	20	48	21	3	58	22	50	7	0	9	4	23
261	17	17	25	8	22	5	0	24	9	9	24	10	55	33
262	22	17	29	28	23	6	2	25	29	11	53	12	41	42
263	27	17	33	52	24	7	4	26	50	14	23	14	26	51
264	33	17	38	12	25	8	8	28	16	16	59	16	11	0
265	38	17	42	32	26	9	11	29	43	19	30	17	51	8
266	43	17	46	52	27	10	14	0	8	22	5	19	30	14
267	48	17	51	12	28	11	18	2	35	24	39	21	6	19
268	54	17	55	36	29	12	23	4	6	27	20	22	43	26
270	0	18	0	0	30	13	28	5	40	30	0	24	19	32

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 3 & 0 & 1 \\ 12 & 2 & 32 & 11 \\ & & 47 & 28 \end{matrix}$

## *Sol in Capricorne.*

III. M.	A. R. G. M.	Time from Moon.			H. X.	H. XI.	H. XII.	Ascend.	H.	H. II.	H. III.
		H.	M.	S.	W	W	W	V	W	W	W
47	270 0	18	0	0	0	13	28	5 40	0 0	24 19	16 32
9	271 6	18	4	24	1	14	34	7 18	2 37	25 53	17 33
33	272 12	18	8	48	2	15	40	8 54	5 19	27 25	18 42
51	273 17	18	13	8	3	16	45	10 30	7 55	28 53	19 46
11	274 22	18	17	28	4	17	51	12 9	10 29	0 II 2	20 50
30	275 27	18	21	48	5	19	0	13 44	13 2	1 44	21 53
49	276 33	18	26	12	6	20	10	15 35	15 37	3 9	22 56
6	277 38	18	30	32	7	21	19	17 20	18 7	4 31	23 58
24	278 43	18	34	52	8	22	28	19 7	20 35	5 52	25 0
41	279 48	18	39	12	9	23	38	20 55	23 0	7 10	26 1
58	280 53	18	43	32	10	24	47	22 48	25 22	8 29	27 2
14	281 58	18	47	52	11	25	57	24 40	27 43	9 46	28 2
30	283 3	18	52	12	12	27	10	26 37	30 0	11 1	29 2
44	284 8	18	56	32	13	28	23	28 36	28 16	12 16	0 III 2
59	285 13	19	0	52	14	29	33	0 X 33	4 27	13 28	1 2
15	286 17	19	5	8	15	0 III 47	2 30	6 33	14 38	2 0	
II 28	287 22	19	9	28	16	2 1	4 32	8 39	15 49	2 59	
38	288 27	19	13	48	17	3 17	6 37	10 43	16 59	3 58	
50	289 31	19	18	4	18	4 30	8 41	12 42	18 8	4 55	
2	290 35	19	22	20	19	5 46	10 48	14 40	19 14	5 51	
13	291 39	19	26	36	20	7 1	12 52	16 31	20 20	6 48	
23	292 43	19	30	52	21	8 19	15 0	18 20	21 24	7 44	
33	293 47	19	35	8	22	9 34	17 8	20 5	22 28	8 29	
42	294 51	19	39	24	23	10 53	19 23	21 52	23 32	9 37	
51	295 54	19	43	36	24	12 11	21 31	23 33	24 34	10 32	
0	296 57	19	47	48	25	13 30	23 45	25 13	25 35	11 27	
8	298 0	19	52	0	26	14 47	25 51	26 49	26 35	12 22	
14	299 3	19	56	12	27	16 9	28 0	25 22	27 35	13 17	
19	300 6	20	0	24	28	17 30	0 V 13	29 54	28 34	14 12	
26	301 9	20	4	36	29	18 53	2 25	1 II 23	29 33	15 6	
32	302 12	20	8	48	30	20 11	4 35	2 50	0 III 30	16 0	

# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 3 & 0 & 1 \\ 12 & 2 & 47 & 28 \end{matrix}$

## Sol in Aquary.

A. R.	G. M.	Time from Noon.			H. X. H.		H. XI. H.		H. XII. H.		Ascend.		H. II. H.		H. III.	
		H.	M.	S.	G.	G.	M.	G.	M.	G.	M.	G.	M.	G.	M.	G.
302	12	20	8	43	0	20	11	4	35	2	50	0	30	16	0	
303	14	20	12	56	1	21	34	6	44	4	14	1	26	16	53	
304	16	20	17	4	2	22	54	8	52	5	37	2	22	17	46	
305	18	20	21	12	3	24	19	10	58	6	58	3	17	18	39	
306	20	20	25	20	4	25	44	13	2	8	17	4	12	19	31	
307	22	20	29	28	5	27	9	15	8	9	33	5	6	20	22	
308	24	20	33	36	6	28	33	17	12	10	49	6	0	21	14	
309	25	20	37	40	7	29	52	19	14	12	3	6	53	22	7	
310	26	20	41	44	8	1X21	21	21	14	13	14	7	46	22	59	
311	27	20	45	48	9	2	49	23	13	14	24	8	37	23	50	
312	27	20	49	48	10	4	13	25	8	15	32	9	28	24	41	
313	28	20	53	52	11	5	37	27	2	16	40	10	19	25	32	
314	29	20	57	56	12	7	5	28	57	17	46	11	9	26	23	
315	29	21	1	56	13	8	30	0847	18	18	53	11	59	27	14	
316	29	21	5	56	14	9	55	2	32	19	56	12	49	28	4	
317	29	21	9	56	15	11	22	4	21	20	58	13	38	28	54	
318	29	21	13	56	16	12	53	6	7	22	0	14	26	29	44	
319	28	21	17	52	17	14	18	7	45	23	0	15	14	0Ω34		
320	27	21	21	48	18	15	44	9	30	23	59	16	2	1	23	
321	26	21	25	44	19	17	11	11	9	24	58	16	49	2	13	
322	25	21	29	40	20	18	42	12	47	25	55	17	36	3	4	
323	24	21	33	36	21	20	8	14	21	26	51	18	22	3	51	
324	23	21	37	32	22	21	34	16	57	27	47	19	9	4	40	
325	21	21	41	24	23	23	1	17	25	23	41	19	55	5	28	
326	20	21	45	20	24	24	30	18	56	29	36	20	42	6	17	
327	18	21	49	12	25	25	57	20	23	0829	29	21	26	7	6	
328	16	21	53	4	26	27	24	21	47	1	22	22	11	7	54	
329	14	21	56	56	27	28	51	23	12	2	14	22	56	8	43	
330	11	22	0	44	23	0V17	24	36	3	3	5	23	40	9	3	
331	9	22	4	36	29	1	44	26	0	3	56	24	25	10	18	
332	6	22	8	24	30	3	9	27	17	4	45	25	9	11	6	



# A Table of Houses for the Latitude of 51 deg. 32 min.

Altitude of the Pole  $\begin{matrix} 11 & 3 & 32 & 11 \\ 12 & 2 & 47 & 28 \end{matrix}$

## Sol in Pisces

A. R.		Time from H.			X.H.	XI.H	XII.H	Ascend.	H	II.H.	III.
G	M.	Noon			☾	☿	♊	♋	♌	♍	♎
G	M.	H.	M.	S.	G.	G.	M.	G.	M.	G.	M.
332	6	22	8	24	0	3	9	27	17	4	45
333	3	22	12	12	1	4	35	28	34	5	35
334	0	22	16	0	2	6	9	29	52	6	23
334	57	22	19	48	3	7	26	III 6	7	12	27
335	54	22	23	36	4	8	51	2	20	8	0
336	51	22	27	24	5	10	15	3	32	8	48
337	48	22	31	12	6	11	41	4	43	9	35
338	45	22	35	0	7	13	2	5	53	10	22
339	41	22	38	44	8	14	29	7	2	11	7
340	37	22	42	28	9	15	50	8	10	11	52
341	33	22	46	12	10	17	12	9	16	12	37
342	29	22	49	56	11	18	34	10	23	13	23
343	25	22	53	40	12	19	56	11	27	14	7
344	21	22	57	24	13	21	16	12	31	14	51
345	17	23	1	8	14	22	36	13	33	15	35
346	12	23	4	48	15	23	55	14	34	16	17
347	8	23	8	32	16	25	15	15	35	17	1
348	3	23	12	12	17	26	31	16	34	17	44
348	59	23	15	56	18	27	52	17	33	18	26
349	54	23	19	36	19	29	7	18	32	19	9
350	49	23	23	16	20	0	26	19	29	19	52
351	45	23	27	0	21	1	40	20	26	20	33
352	40	23	30	40	22	2	55	21	22	21	15
353	35	23	34	20	23	4	10	22	16	21	56
354	30	23	38	0	24	5	25	23	11	22	37
355	25	23	41	40	25	6	38	24	5	23	18
356	20	23	45	20	26	7	51	24	50	23	59
257	15	23	49	0	27	9	4	25	54	24	39
358	10	23	52	40	28	10	16	26	46	25	21
359	5	23	56	20	29	11	28	27	37	26	2
360	0	24	0	0	30	12	37	28	28	26	42

A Computation of time after 365 days to the year, whereby the Number of days contained between any two given Times is easily found. Useful in Genethliacal Operations, for finding the day of the Month when a direction touches; And applicable to the annexed Table of Interest.

Jan. 31	Feb. 28	Mar. 31	April 30	May. 31	June. 30	July. 31	Aug. 31	Sept. 30	Oct. 31	Nov. 30	Dec. 31
Feb. 59	Mar. 59	April 61	May. 61	June. 61	July. 61	Aug. 62	Sept. 61	Oct. 61	Nov. 61	Dec. 61	Jan. 62
Mar. 90	April 89	May. 92	June. 91	July. 92	Aug. 92	Sept. 92	Oct. 92	Nov. 91	Dec. 92	Jan. 92	Feb. 90
April 120	May. 120	June. 122	July. 122	Aug. 123	Sept. 122	Oct. 123	Nov. 122	Dec. 122	Jan. 123	Feb. 120	Mar. 121
May. 151	June. 150	July. 153	Aug. 153	Sept. 153	Oct. 153	Nov. 153	Dec. 153	Jan. 153	Feb. 151	Mar. 151	April 151
June. 181	July. 181	Aug. 184	Sept. 183	Oct. 184	Nov. 183	Dec. 184	Jan. 184	Feb. 181	Mar. 182	April 181	May. 182
July. 212	Aug. 212	Sept. 214	Oct. 214	Nov. 214	Dec. 214	Jan. 215	Feb. 212	Mar. 212	April 212	May. 212	June. 212
Aug. 243	Sept. 242	Oct. 245	Nov. 244	Dec. 245	Jan. 245	Feb. 243	Mar. 243	April 242	May. 243	June. 242	July. 243
Sept. 273	Oct. 273	Nov. 275	Dec. 275	Jan. 276	Feb. 273	Mar. 274	April 273	May. 273	June. 273	July. 273	Aug. 274
Oct. 304	Nov. 303	Dec. 306	Jan. 306	Feb. 304	Mar. 304	April 304	May. 304	June. 303	July. 304	Aug. 304	Sept. 304
Nov. 334	Dec. 334	Jan. 337	Feb. 334	Mar. 335	April 334	May. 335	June. 334	July. 334	Aug. 335	Sept. 334	Oct. 335
Dec. 365	Jan. 365	Feb. 365	Mar. 365	April 365	May. 365	June. 365	July. 365	Aug. 365	Sept. 365	Oct. 365	Nov. 365

2 NO 61

Look in the Head of the Table for the Month you are to Compute from, and so many days as are past or Elapsed of that Month, Omit and set down the remainder, then in the next Columne to the Right hand guide your Eye down till you come to the Month preceeding that you seek for, and put down that Number, add thereto the day of the Month following, these three Sums added together will make up the time desired.

*Example,* To find the Number of days Contained between *March 5th.* and *Sept. 15.*

The Remaining days of *March* are 26  
 days to the end of *August* are 153  
 days of *September.* 15

The Number of Days required, between the 2 times are 194

A Table of Interest at Six per Cent. for 1 day, By  
Mr. J. Folgate at the Bank of England.

Principal.				Interest.				Principal.				Interest.			
Pounds.	li.	S.	d.	1000 Parts				Pounds.	li.	S.	d.	1000 Parts			
10000000	1643	16	8	547				5000		16	5	260			
9000000	1479	9		493				4000		13	1	808			
8000000	1315	1	4	438				3000		9	10	356			
7000000	1150	13	8	383				2000		6	6	904			
6000000	986	6		328				1000		3	3	452			
5000000	821	18	4	274				900		2	11	506			
4000000	657	10	8	219				800		2	7	561			
3000000	493	3		164				700		2	3	616			
2000000	328	15	4	109				600		1	11	671			
1000000	164	7	8	54				500		1	7	726			
900000	147	18	10	549				400		1	3	780			
800000	131	10	1	643				300			11	835			
700000	115	1	4	438				200			7	890			
600000	98	12	7	232				100			3	945			
500000	82	3	10	27				90			3	550			
400000	65	15		821				80			3	156			
300000	49	6	3	616				70			2	761			
200000	32	17	6	410				60			2	367			
100000	16	8	9	205				50			1	972			
90000	14	15	10	684				40			1	578			
80000	13	3		164				30			1	183			
70000	11	10	1	643				20				789			
60000	9	17	3	123				10				394			
50000	8	4	4	602				9				355			
40000	6	11	6	82				8				315			
30000	4	18	7	561				7				276			
20000	3	5	9	41				6				236			
10000	1	12	10	520				5				197			
9000	1	9	7	68				4				157			
8000	1	6	3	616				3				118			
7000	1	3		164				2				78			
6000	0	19	8	712				1				39			

This Table readily shews the Interest from One Pound to Ten Millions for One day, to the 1000 Part of a Penny, and will perform the same for any Number of days by this following Rule.

Multiply the Sum by the Number of days, or the days by the Sum, and the Interest of that product may be found in the Table by taking out the several particular Sums, and adding them together as in the following Example.

To find the Interest of 65 lb. for 194 days.

Days	194	Then by the Table, the Interest is					
Sum	65	thus obtain'd.					
	<u>970</u>	lb.		lb.	s.	d.	parts
	1164	10000	is	1	12	10	520
	<u>12610</u>	2000		0	6	6	904
The Product.		600		0	1	11	671
		10		0	0	0	394
Interest for 1 day of 12610		is		2	i.	5.	489
Or which is all One 65 lb. for 194 days							

## The Old Table of the Planets Essential dignities.

### The Use of the Table.

By this Table ♄ and ♀ are the houses of ♄. he is exalted in ♈ he has Detriment in ♎. and ♎. and his Fall in ♊. the same Method is to be Observ'd in the rest.

	Houses.	Exalt.	Detrim.	Fall.
♄	♊	♈	♎	♊
♅	♈	♊	♎	♈
♆	♊	♈	♎	♊
♇	♈	♊	♎	♈
♈	♊	♈	♎	♊
♉	♈	♊	♎	♈
♊	♊	♈	♎	♈
♋	♊	♈	♎	♈
♌	♊	♈	♎	♈
♍	♊	♈	♎	♈
♎	♊	♈	♎	♈
♏	♊	♈	♎	♈
♐	♊	♈	♎	♈
♑	♊	♈	♎	♈
♒	♊	♈	♎	♈
♓	♊	♈	♎	♈

## ADVERTISEMENTS.

The *Venetian Ink Balls*, which makes the Best and Cheapest Ink in the World for all uses, portable without Soyling any thing, or requiring Glasses, Boxes, or Papers to preserve it in, never decaying in any Climate. To be made into Ink presently by scraping a little thereof into Water, Wine, or any other Liquor, and is ready prepared so soon as mixt. Or a whole Ball put into a Pint, or Pint and half of Rain or River Water, makes in a short time so much of the best and most Curious Ink.

The Price of each Ball is 6 Pence; and to prevent Counterfeits, Seald with a *Cheveron* between three *Mullets*, and a Chief Charged with three *Bucks Heads* Cabossed the Crest, a *Rain Deers Head* Couped and Collard And Sold by *S. Clark* in *George-Yard Lombard-street*, and *Eben Tracy* at the *Three Bibles* on *London Bridge* Book-Seller.

**J**OHN Yarnwell at the *Archimedes* and *Three Prospects*, in *Ludgate Street*, the first shop next *Ludgate*, any Gentleman, that is a Lover of Ingenuity, may see at any time several curious pieces of Art; As *Prince Ruperts Sky-Optick*, the *Magical Lanthorn*, *Figures* two Inches over appear as large as the Life, a Curious *Microscope* of the said Yarnwells Invention, fitted for the Pocket, shews the Circulation of the Blood in small Fishes and thousand of Living Creatures, in a drop of *Pepper-water*; and the Famed *True Spectacles*, Approved of by the *Royal Society*, being wrought to the greatest perfection, set in Neat *Leather Frames*; and other sort of *Cyclope* and *Convex Glasses*.

F I N I S.



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